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RETAILER - WHOLESALER - MANUFACTURER JULY 8, 1950

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# CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

JULY 8, 1950

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#### NEWS OF THE WEEK

Milk for Food Manufacture.—Because production of milk has not fallen so spidly as was expected this season, manucturers who use milk in the manufacture f food may continue to do so until 1ly 31.

Chemical Works Safety Conference.—
he Association of British Chemical Manucturers is to hold a chemical works safety inference at Scarborough, September 29ctober 1, under the chairmanship of Mr. Davidson Pratt (director of the Association).

Commercial Travellers' Schools.—The accounts presented at the annual court of overnors of the Royal Commercial Travelers' Schools recently showed a deficit for the financial year of over £3,800, and the oard was faced with future extensive outlys for building repairs and improvements. Ir. Leslie Gamage, M.C., M.A., was unaimously elected President.

Co-operatives and Price Maintenance.

A meeting of the Co-operative Parliaentary committee in London recently prosted against resale price maintenance and

urged immediate Governmental action to remedy its "abuses." The meeting further considered publishing a pamphlet "exposing such abuses and advocating their suppression." and considered calling conferences of co-operators and others to back up its demands.

Women Pharmacists' Officers. — The following officers of the National Association of Women Pharmacists have been elected, or re-elected, for the year 1950-51:—

President, Miss E. F. Hayward; Vice-president and Registrar, Miss V. W. Burrell; Employment Secretary, Miss P. M. Green, 35 York Street Chambers, Bryanston Square, London, W.I; Treasurer, Miss D. I. Morgan; Secretary, Miss Menna Lloyd, 7 Meredyth Road, London, S.W.13.

Guild of Public Pharmacists.—At the annual meeting of the Guild of Public Pharmacists, the following officers were elected to serve for the year:—President, Mrs. M. C. Islip; Vice-president, Mr. A. G. Shaw; Treasurer, Mr. A. M. Mees; Registrar, Mr. G. Bryan; General Secretary, Mr. J. Moore; Deputy Secretaries,

Messrs, E. W. Barstow and A. G. Shaw; Editor, Mr. C. N. Ninnis; Assistant Editor, Mr. H. A. Robinson; Insurance Registrar, Mr. J. H. Wood, M.P.S.

Detection of Carbon Monoxide. — A simpler and more accurate method of detection of carbon monoxide has been evolved by the Department of Scientific and Industrial Research. In the test a sample of air is drawn through an indicator tube which is stained by the carbon monoxide, the length of the stain giving the concentration present in the air. Complete instructions are given in a leaflet published by H.M. Stationery Office, price sixpence.

Pharmaceutical Research Centre.—To secure suitable facilities for increasing research and for administrative organisation, Imperial Chemical (Pharmaceuticals), Ltd., has purchased 350 acres at Alderley Park, near Manchester. The site is being developed in stages; the first laboratories being scheduled for occupation in about three years. Founded in 1942, Imperial Chemical (Pharmaceuticals), Ltd., claims to be now the third largest producer of pharmaceuticals in the country.

Key Industry Duty Exemptions. — The Treasury has made an Order (S.I., 1950, No. 1040), continuing until December 31 the exemption from Key Industry Duty of all articles exempted by previous Orders which expired on June 30, with the addition of:—Amyl acetate (an amyl ester); cyclohexanone; cyclohexylamine; di-cyclohexyl phthalate (a cyclohexyl ester); 2-diethylaminoethyl diphenylacetate hydrochloride (a diphenylacetic ester); s-dimethylurea (a methylurea); guanine; quinoline; 2, 4, 5-trichlorophenol (a chlorophenol)

nol). The following are deleted:—Anisald hyde; chloroiodohydroxyquinoline; mon chloroacetic acid; o-chloronitrobenzen monoethylamine; ethylisoamylbarbitur acid (an acylurea); ethyl sulphate (a ethyl ester); pentachlorophenol (a chlorophenol); propiophenone; sodium ethylisamylbarbiturate (an acylurea); sodium ethyl (~methylbutyl) barbiturate (an acy rate (an acylurea); succinic acid, but no urea); sodium ~methylbutylallylbarbiti including isosuccinic (methylmalonic) acid

Labelling of Food Order.—The Miniter of Food has made the Labelling of Food Order, 1950, which comes into forcon November 1, and re-enacts and consoldates, with amendments, the Labelling of Food Order, 1946, as amended. The principal change is that the weights and measures provisions of the old Order at omitted (they will be re-enacted in a Order to be made shortly by the Board of Trade). Among the new provisions in the Order are the following:—

(1) The description ginger wine of orange wine may be applied to product derived from fruit other than grapes.

(2) Liquors for which tonic, restorative or medicinal properties are claimed, which are held out to be of special benefit to invalids, must be labelled with a statement indicating the quantity of the ingredients on which the claim is based.

(3) Concentrated acetic acid must comply with special labelling requirements.

(4) Tonic properties may not be claime for any food on the sole grounds that th food contains (a) alcohol, (b) sugars of other carbohydrates, (c) protein or substances prepared by hydrolysis of protein or (d) caffeine or other purine derivatives



ALDERLEY PARK, acquired by Imperial Chemical (Pharmaceuticals), Ltd., recently for research centre.

#### LOCAL NEWS

Dispensed Medicines in Derbyshire.— A report of the Pharmaceutical Committee of the Derbyshire Executive Council stated hat, from April 1949, of the eighty-five amples of medicines taken it had only been necessary to refer three to the service committee for consideration. In those cases the discrepancies were only minor.

Southampton Annual Meeting.—At the innual meeting of the Southampton Branch of the Pharmaceutical Society rently, the following officers were appoined: President and Chairman, Mr. W. G. Hutcheson; Vice-president and Vice-chairnan, Mr. E. W. Jenkins; Secretary, Mr. K. F. Young, 25 Oxford Street, Southampon; Assistant Secretary, Mr. F. Murley; Treasurer, Mr. F. C. G. Wicks.

Works Visits.—Members of the Dartord Branch of the Pharmaceutical Society isited Glaxo Laboratories, Ltd., Greenord, recently, and were entertained to tea. A tour was made of the tablet and injection manufacturing and packing departments.—A party of doctors and pharmaists from Buxton visited the laboratories of Thomas Kerfoot & Co., Ltd., Vale of Bardsley, Lancs, on June 28. After tea, Mr. C. Blezard, M.P.S., and Dr. R. Wynn ones expressed the interest and thanks of he visitors, and Mr. Henry M. Kerfoot (a lirector) briefly responded.

Early Pharmacopæias on View.—The irst edition of the Edinburgh Pharmacopæia (printed in 1699 by the Royal Colege of Physicians of Edinburgh) has been ent by the College for an exhibition of arly herbals and pharmacopæias recently taged in Edinburgh. Amongst the exhibits are the earliest printed edition 1499) of the work of Dioscorides, described as the "Father of Materia Medica," and one of the first books of lomestic medicine printed in Scotland, 'The Poor Man's Physician, or the receits of the famous John Moncrief of Tippernalloch," dated 1712.

Birmingham Analyst's Report. — The Birmingham City analyst, in his report for he first quarter of 1950, states that a ample of oil purchased as almond oil proved to be a mixture of olive and castor oils. On a second visit the sampling officer was asked if the oil was for the ears; he was given the same oil. The proprietor was cautioned and his attention drawn to he necessity for correct labelling. Other samples found incorrect included Seidlitz

powders, sulphur ointment, and kaolin poultice. Altogether 168 samples were analysed, nineteen of which were found incorrect.

Sheffield Branch.—At the annual meeting of the Sheffield Branch of the Pharmaceutical Society on May 31, Messrs. R. H. Drinnan and G. O. Madeley described their first experience as delegates to the Branch Representatives' meeting in London. They said they had been impressed by the way in which the arguments used by the proposers of resolutions which seemed insignificant on the agenda gave those resolutions a measure of urgency and importance. Mr. C. W. Hobson compared the recent meeting with previous meetings which he had attended and stated that at none had he noticed such a spirit of determination. At the committee meeting the following officials were appointed:— Chairman, Mrs. B. A. Dove; Vice-chairman, Mr. H. Hall; Treasurer, Mr. C. A. Fox; Secretary, Mr. S. Durham, 29 Stephen Hill Road, Sheffield, 10; Social Secretary, Mr. W. H. Toplis.

Presentation at Hull.—At a meeting of Hull chemists on June 9, tribute was paid to Mr. L. S. Sellé for his thirty-six years of service as secretary of the Hull Pharmaceutical Committee. Mr. H. S. Smart (chairman of the committee for nine years under National Health Insurance) said that Hull pharmacists owed a lasting debt of gratitude to Mr. Sellé for a lifetime of ser-Mr. E. A. Brocklehurst said that, vice. during forty-eight years of executive office in Hull, Mr. Sellé had guided the policy of pharmacy through two wars. Mrs. Brockle-hurst, Messrs. P. Brocklesby, V. Iddon and C. A. Hewitt (treasurer) also paid tribute to the help they had received from Mr. Sellé. In recognition of his services all chemist contractors in Hull and many managers contributed to a fund, whose chairman (Mr. J. Barrit) presented Mr. Sellé with a cheque for 150 guineas and a copy of the British Pharmaceutical Codex inscribed by Mr. E. H. Earle.

Isle of Man Health Service.—Resisting a proposal to cut by £50,000 a rate of £600,000 for the Health Services in the Isle of Man, Mr. T. C. Cowin (chairman of the Health Services Board) stated in Tynwald on June 21 that dentists and chemists insisted on the same terms as in England. The Deemster, W. P. Cowley, advised the Board to "take a strong line with people who were demanding more than they were entitled to. It was right, he

added, that doctors, who sometimes had to work twenty-four hours a day saving life, should get the payment they were receiving. To effect economies the Board should direct attention to the "lesser specialists"—chemists and dentists. "If chemists and dentists are not prepared to meet the Board reasonably, they will have to go out of the scheme. . . . If necessary, the Board should consider setting up its own dental clinics and chemist shops. No chemist or dentist in this island need think he is indispensable." The amendment was defeated.

Pharmaeist-Patient Relationship. — At a meeting of the Thames Valley Association, recently, Dr. J. Fairlee spoke on the relationship between pharmacist and patient. He suggested that the status of pharmacists was largely determined by public opinion, and that that was influenced by the political activities of pharmaceutical organisations, backed by the technical knowledge of the pharmacist. The public would judge the pharmacist in relation to other auxiliary medical services. He felt that the pharmacist would be invaluable to medical men if he could discuss with them the treatment of various diseases. He wondered whether pharmacists would not be well advised to study pathology. Counter prescribing involved making a diagnosis, and he felt that the pharmacist should always be aware of the difference between symptoms and a disease. In the discussion, Mr. D. Hocking said that the pharmacist was judged on his capacity for taking an intelligent and sympathetic interest in the patient.

#### **IRISH NEWS**

National Health Council Officers.— The Department of Health in Dublin has appointed Mr. T. C. Scott (president of the Pharmaceutical Society of Ireland) and Mr. P. A. Brady (immediate past-president) as the pharmaceutical representatives on the National Health Council.

Gaelie Athletic Club Success. — The College of Pharmacy Gaelic Athletic Club defeated their old team rivals, the Veterinary College, in the final of the Dublin Colleges senior football cup at Stillorgan recently. In a hard fought finish the Club won their first important trophy with a score of 4 goals 4 points to 3 goals 4 points.

Wexford Dance.—The County Wexford Pharmaceutical Chemists' Federation held their first annual dance at Courtown Harbour, co. Wexford, recently, when pharmacists from Clare, Cork, Waterford, Wexford, Wicklow and Dublin were present. The attendance included Mr. J. P. Kissane (vice-president, Pharmaceutical Society of Ireland), Mr. James G. Coleman (registrar), Mr. David Woulfe (president, Irish Drug Association) with Mr. B. R. Smith (secretary).

Council Members Visit Londonderry.—The members of the Council of the Pharmaceutical Society of Northern Ireland and their wives were guests of the Londonderry Chemists' Association on June 29 when the monthly meeting was followed by luncheon and a motor coach trip to Buncrana, co. Donegal. The party included Messrs. P. R. W. Shinner (president), H. W. Gamble (vice-president), W. H. Boyd (treasurer), W. Gorman (secretary), and Professor H. Brindle, Ph.C., F.R.I.C., Manchester, The guests were welcomed by Messrs G. Duffy (chairman of the Association) T. H. Lee (secretary) and S. E. Campbel (a local member of the Society's Council) The thanks of the Council were conveyed by Mr. Shinner who said it was a pleasure to resume the annual visits to Londonderry inaugurated by the late Mr. James Glen dinning.

#### **OVERSEAS NEWS**

Antihistamine Makers Drop Cold-cur-Claims.—The United States Governmen announces that five American manufac turers of antihistamines have agreed to discontinue advertising the compounds a cold cures.

Swiss-Egyptian Agreement.—A one year Swiss-Egyptian trade and payment agreement took effect recently, unde which Egypt is lifting all quantitative restrictions on imports from Switzerland cessential goods, such as chemical and pharmaceutical products, etc.

Cortisone in Veterinary Medicine.—Cortisone has been beneficial in the trea ment of ketosis in dairy cattle, accordin to a report by a University of Marylan research team to the forty-fifth annual meeting of the American Dairy Science Association.

Pakistan Relaxes Import Restriction—The Government of Pakistan has ease its import restrictions for the year beginning July 1. Certain chemicals from the American-account area and Japan haven placed on open general licence. Chemicals, drugs and medicines are included in the list of products that may be freely imported from the rest of the world

#### TOPICAL REFLECTIONS

ascara Sagrada

The description of Rhamnus purshiana Mr. John Davidson, Emeritus Professor Botany in the University of British olumbia (pp. 19-21), is welcome. His ating of the first commercial supply of e bark takes us back to 1878; then, and r a few years afterwards, the drug was garded by medical men in this country a novelty to be prescribed with caution. y the middle 'eighties, however, it was well established in favour that the comlers of the British Pharmacopæia of 385 admitted two preparations of it, a lid and a liquid extract. Manufacturers galenicals helped to popularise it by inoducing palatable elixirs and capsules ontaining it. Though not an ideal laxave for every kind of patient, cascara grada has become a domestic stand-by. he index of one book of reference before e contains thirty-four entries relating to ; another index has twenty-one. Pharmaognosists have done useful work in deecting adulteration, and analysts have inestigated the active principles. The Yearooks of the British Pharmaceutical Conrence bear witness to the continuing inerest aroused. In an editorial comment on ne Conference monographs of the year 901, you remarked that as far as you buld recollect, cascara sagrada was then ne subject of the first paper communicated the Conference by a lady. The lady was liss Bridget Rose Clinton, an assistant of ne late Dr. J. C. McWalter. Professor ohn Attfield, who opened a discussion on ne paper, raised the question of the gener of the second half of the plant's bota-ical name. He said that as De Candolle ad adopted "purshianus," the "poor ditor" of the British Pharmacopæia had ollowed that spelling, though he thought wrong. In recent years the feminine orm "purshiana" has been usual, accordng to the rule that in Latin names of ees are feminine.

#### he Harwell Laboratories

Your account of a tour through the stomic Energy Research Establishment at larwell (pp. 24-25) forms about as great contrast to Mr. Davidson's article on casara sagrada as can be imagined. The ascination of the subject of radioisotopes of a kind involving a salient factor of ovelty. In addition to the obvious risk f handling or being exposed to powerful ays, there is the thrill of exploring the

unknown. To what extent the structure of the atom has by now been satisfactorily formulated I have not learned. But I remember seeing a demonstration of bombardment of a gas by neutrons, and being impressed by the apparently hit-or-miss effect recorded by means of an ingenious lighting system. Medicine and pharmacy are certain to discover much from experiments with irradiated isotopes. From time to time, in the history of science, an accumulation of fresh data has rendered a new synthesis inevitable. No superhuman foresight is needed to justify a prediction that this is likely to happen with the study of radioisotopes. For centuries prescribers have been at a loss to know where many medicines, organic and inorganic, go when administered or applied, and what happens to them and to their host when they reach their destination. Scientists are at last on a more promising trail than has been possible hitherto.

#### A Portrait Sequence

The presentation to Mr. F. Capel Hanbury, Ph.C., chairman of Allen & Hanburys, Ltd., of his portrait, not only formed a fitting recognition of his services to his company and to their customers but also continued a tradition. On reading your account of the ceremony (pp. 14-15) my thoughts turned to a similar event that took place in December 1915, when Mr. Hanbury's father, Frederick Janson Han-bury, then vice-chairman of the company and owner of a famous garden, received a parallel presentation. It would not be surprising to learn that there have been earlier events of the kind in the history of so long-established a firm. Mr. F. J. Hanbury, in acknowledging the gift from his staffs, pointed out that in 1715, when Silvanus Bevan commenced business Plough Court in the City of London, the rebellion under the Old Pretender was crushed; and that in 1815 the battle of Waterloo ended the Napoleonic régime. Let us hope that in 2015 the then chairman of Messrs. Allen & Hanburys will have an equally fortunate issue in public events to describe. In lighter vein, Mr. F. J. Hanbury drew on his father's reminiscences of the City business. It appeared that on one occasion it was necessary to deal with an unpharmaceutical odour caused by the presence of a dead rat under a floor, and that the cost of the work, £8, was spread Xrayser over three years,

#### THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

URGENT consideration is to be given by the Government to the report of the Leasehold Committee. What action will be taken is difficult to forecast — or when. "The subject is one of great complexity," the Attorney General told questioners recently in the House of Commons. If there is to be legislation, it is not likely to come until the new Session of Parliament opens in the autumn.

#### Personal Exports Scheme

The Chancellor of the Exchequer told questioners recently that he has had the Personal Export Scheme under review and has simplified its machinery in certain respects. Under the Scheme, he said, a visitor to the United Kingdom might now have his purchases delivered free of purchase tax to the ship or aircraft by which he was leaving the country, provided the purchase amounted to £5 or more. Complete information was not yet available, but the indications were that retailers' sales to visitors, and especially to North American visitors during the summer were likely to show a substantial increase over 1949.

#### Urine Test Outfits

MR. W. TEELING asked the Minister of Health, on June 29, what steps he had taken to implement his promise to make available Clinitest sets and tablets for diabetics under the National Health Service. MR. ANEURIN BEVAN said he hoped to be able to make the necessary amendment to the regulations "shortly."

MR. TEELING said that it was over two months since the Minister had answered a question on the subject by saying that something would be done "immediately." MR. BEVAN replied that he was anxious not to make a whole series of regulations. If a regulation were made about that item it would stand by itself, and he wanted to accumulate a number of regulations in one Order. "That situation has now been reached and I am doing it shortly."

#### Chemists' Oncost Cut

COLONEL L. ROPNER asked the Minister, on June 29, why, without effective consultation with their Central Committee, or awaiting the findings of the Whitley Committee which was inquiring into the matter, he had imposed on chemist contractors

under the National Health Service a c from 33 per cent. to 16 per cent. in tl oncost allowance on drugs supplied by the

under prescription.

MR. ANEURIN BEVAN: I am determine that all unnecessary expenditure on the National Health Service should be elirinated, and after consultation with the chemists' representatives in accordan with the regulations, I was satisfied the there were grounds for an immediate privisional reduction in this allowance. Negotiations are proceeding, however, and have undertaken to accept whatever fin percentage may be agreed by the Whitl-Council or awarded by the arbitrator.

#### Special Bottle Teats

MR. BAKER WHITE asked, on June 2 why special bottle teats for babies wi cleft palate and hair-lip were not including the official list of goods for dispension under the Health Service. MR. Bevan plied that special appliances were suplied under the Health Service only if, in particular case, they were necessary medical grounds. Such cases should under specialist care and any necessary a pliances could be provided through thospital Service.

#### Prescribed Proprietaries

MR. E. L. MALLALIEU asked Mr. Beva on June 29, whether, having regard the fact that many doctors prescribed epensive proprietary preparations for which the aper non-proprietary preparations equal therapeutic value might be substutes, he would consult the British Medical Association as to the best way bringing the matter to the notice of bodoctors and chemists with a view to saing expenditure without in any way impaing the service to the patient.

MR. BEVAN: Yes. I have been in consultation with the British Medical Assocition about the action to be taken on the report of the Joint Committee of the Central and Scottish Health Services Count which has been considering prescribing under the National Health Service. The report is to be published and will, I understand, be available on July I (see a 45). Copies are being sent to all docto both general practitioners and hospit medical staffs, who are taking part in the National Health Service, with a coverience.

etter asking for their help in prescribing innecessarily expensive prescribing. question of other action on the report is under consideration.

#### Precautions in Using Grain Sprays

The Minister of Agriculture was asked by Mr. Barnett Janner, on June 29, whether, in view of the poisonous qualities of D.N.O.C. used for spraying grain crops, which had recently resulted in the death of two agricultural workers, he would issue a warning to farmers of the great need for care in handling that product. Mr. Tom WILLIAMS replied: My Department has been giving wide publicity to the precautions to be observed in the use of D.N.O.C. and similar substances. A new leaflet is in preparation and the question of what further steps are desirable in the interests of safety is being actively examined in consultation with the interests concerned.

#### Purchase Tax

Mr. OLIVER LYTTELTON on July moved a new clause in the Finance Bill seeking a reduction in the rate of purchase tax. He said that the Opposition were interested in seeing the alleviation coming first upon all simple articles in everyday use that at present fell to be taxed. They seemed to go right outside the original purpose of the tax. The tax possibly was originally designed to reduce inflation, but had ended in increasing it.

COLONEL GOMME-DUNCAN appealed to the Chancellor of the Exchequer to have regard to some of the absurd anomalies in the purchase tax.

Mr. W. Fletcher said purchase tax was fastening an unnecessary handicap on our export trade. Mr. Jay said he agreed that there was a case for giving relief when it was possible on the more necessary household goods, but it was undesirable, at any rate in the conditions of this summer's Finance Bill, to embark on a "Dutch auction" for individual items of purchase tax. At first sight there was some attractiveness in the proposition that the 331 per cent. rate should be reduced to 25 per cent. It was more attractive than the former proposal for reducing the three rates downwards. That was because a number of the more necessary items were naturally included in the 33<sup>1</sup>/<sub>3</sub> per cent, rate. But when one examined this proposition more closely it was much less attractive as an alternative to the reduction of income-tax they had decided to make. The first reason was that as against the £70 millions of

revenue that would have been lost on the earlier proposition for a reduction in all the three rates, the reduction proposed in one rate would cost as much as £50 millions. Most of the reduction in taxation would, in fact, come, even on this rate, on the rather less essential items. The process of evening out anomalies in purchase tax went on throughout the year, and there was continuous consultation between the Customs and Excise authorities and the trades concerned.

The clause was negatived by a majority

of fifteen votes.

#### Scottish Tenancies

MISS MARGARET HERBISON (Joint Under-Secretary for Scotland) told questioners recently that the Government had considered the final report of the Guthrie Committee and had decided to ask Parliament to extend the operation of the Tenancy of Shops (Scotland) Act, 1949, beyond December 31 by means of the Expiring Laws Continuance Bill. whether she was including business premises in addition to shops in the new arrangement, she replied: "No. What is to go into the Expiring Laws Continuance Bill covers only those points covered by the existing Act."

#### TEST PRESCRIPTIONS IN LONDON

THE Pharmaceutical Services Committee of the London Executive Council considered on June 5 the results of a number of test prescriptions. The committee recommended that three contractors should receive a caution and fine, four be censured and fined and three cautioned. A test prescription for lot, sodii sulph, was found to contain 35.1 per cent. excess of sodium sulphate. On behalf of the contractors (a company) it was stated that the apothecaries' weight had been used instead of avoirdupois. The committee suggested that the company might consider a system of testing the prescriptions dispensed at their various branches to assist in the maintenance of satisfactory standards, but was given to understand that a system of crosschecking was already in operation. A prescription for lot, plumbi contained 19.7 per cent, excess of strong solution of lead subacetate. The indication was that the strong solution dispensed had been taken from stock that had become excessively carbonated.

#### **NEW COMPANIES**

W. H. PADGET, LTD. (P.C.).—Capital £2,000. To acquire the business of a pharmaceutical and general chemist carried on by Annie Padget as personal representative of the late William H. Padget, at 84 Commercial Road, Newport, Monmouths. Annie Padget, Arthur M. Padget, and Mary H. Banfield, directors.

S. C. Hawkeswood & Son, Ltd. (P.C.).
—Capital £6,000. To acquire the business of a chemist now carried on at Wollaston; Stourbridge; Oldswinford; and Bettell Lane, nr. Brierley Hill. Stanley C. Hawkeswood, M.P.S., and Robert S. Hawkeswood, directors. R.O.: 103 Bridgnorth Road, Wollaston. Stourbridge.

LAWRIE & WATT (COATBRIDGE), LTD. (P.C.).—Registered in Edinburgh. Capital £1,000. To carry on the business of pharmaceutical and analytical chemists, and druggists, etc. Matthew Lawrie and John J. G. Watt, M.P.S., directors. R.O.: British Linen Bank Chambers, Coatbridge.

Alfred P. Cumming, Ltd. (P.C.).—Registered in Edinburgh. Capital £10,000. To acquire the business of chemical manufacturers carried on by James R. Thomson & Co., Ltd., of 10 Blythswood Street, Glasgow, as The Alpha Chemical Co. (but no other part of the business carried on by the said company). Elizabeth R. Cumming, director. R.O.: Woodside House, Blairmore, Argyll.

#### Company News

J. C. & J. FIELD, LTD.—Net profit to March 31, after taxation, amounts to £19,297, against £36,699. Ordinary dividend is maintained at 15 per cent.

METAL BOX CO., LTD.—Group net profit after taxation for the year ended March 31 amounts to £820,976, against £655,372 in the previous year, and net income of the parent company, £653,410 (£473,069). Proposed final ordinary dividend of 15 per cent. (the same) makes 20 per cent. for the year (the same).

#### Voluntary Liquidations

ERNEST H. HAGUE, LTD., pharmaceutical chemists, 4 Lacey Street, Widnes. Liquidator: Edward T. Deaton, 30 Exchange Street, Liverpool, 2.

E. W. Waltons, Ltd., retail chemists, 46 Broadway Buildings, Potters Bar, Middlesex. Liquidator: Arthur B. Slack, 4 Park View, Rollesby, Great Yarmouth.

#### LEGAL REPORTS

Detection by Dye.—The sprinkling of brilliant green on certain articles is their warehouse by Boileau & Boyd, Ltd wholesale chemists, Bride Street, Dublis led to the detection of thefts by a porte employed by the firm. In the Dublis district court recently the porter, Willian Reynolds, was sentenced to two month imprisonment for stealing razor blade and proprietaries valued at £4 4s.

Pharmacy Act Fine.—Wakefield Cooperative Society, Ltd., when charge recently with a contravention of the Phamacy and Poisons Act, 1933, admitte that their pharmacist, though in the building at which the sale was made, was no actually in the shop and did not supervisthe sale of a bottle of Gee's linctus to a investigator. An unqualified assistant handed it over and completed the tranaction. The Society was fined £2, wit £3 3s. costs.

Compulsory Winding-up.—In the Char cery Division, London, on June 19, 2 order for the compulsory winding-u Ricks, Ltd., was made on the petition William Martindale Wholesale, Ltd., We beck Street, London, W.1. Petitioning cree itor and eight supporting creditors sal their debts amounted to £965. The II land Revenue was owed £1,600 an supported the petition. For the compan a short adjournment was asked for on th ground that there had been considerab delay by the authorities in paying the for prescriptions dispensed under th National Health Service. The judge sai he did not think the company ought to s on trading.

#### **BUSINESS CHANGES**

MR. GEORGE KLEIN, M.P.S.I., has tran ferred his business to 19 Cross Kevl Street, Dublin.

Tyne Truck & Trolley Co., Ltd have removed to First Avenue, Team Valey Estate, Gateshead-on-Tyne, 11.

MR. R. M. REED, M.P.S., is opening pharmacy at 10 Hove Manor, Hove Stree Hove, 3.

STEVENSON & HOWELL, LTD., 95 Southwark Street, London, S.E.1, have appointed Mr. R. J. Harris to be their representative in Ireland. Mr. R. J. Gardne whose service with the company covers period of more than half-a-century, wirepresent them in the Birmingham area.

#### **PERSONALITIES**

MR. G. F. A. DOWNER, M.P.S., Buckngham, has been elected mayor of Buckngham for the year.

MR. J. N. W. BATCHELOR has been made 950 President of Appeal for the Royal commercial Travellers' Schools.

Mr. Otho Frederick Charles Bromield, F.C.S., who has been compelled by



ill-health to resign the editorship of THE CHEMIST AND Druggist, joined the editorial staff as Market Editor in March 1931 and was appointed Editor in February 1940. During his editorship the circulation of the paper reached record fig-Mr. Bromfield had contributed weekly to the C.  $\mathcal{C}$  D. Trade

Report since June 1923 and during the ears 1923-31 was also the London editoral representative of twenty-three Empire nd European chemical journals. He was ounder-Editor of the C. & D. "Export Review." After being demobilised from the army in 1919, Mr. Bromfield was appoined general secretary of the British Chemial Trade Association, a position which he eld until joining The CHEMIST AND DRUGGIST. He served with the Royal Ingineers, Cable and Wireless, in France nd Belgium from August 1914 to August 918, landing in France with the first boat f the original British Expeditionary Force. rom 1926-35 Mr. Bromfield was a memer, and for two years chairman, of the exley, Kent, Council. He is well known t home and overseas throughout the pharnaceutical and allied industries, particurly in the manufacturing section. He is t present a patient in the Middlesex Hosital, Mortimer Street, London, for treatnent following a coronary thrombosis.

MR. OWEN H. WALLER, M.P.S., who ucceeds Mr. O. F. C. Bromfield as Editor, as been for some time Assistant Editor. He oined the editorial staff of The CHEMIST ND DRUGGIST in 1935, having previously ained wide experience in the trade in oth the retail and wholesale sections. He lualified in 1928, after study at the School f the Pharmaceutical Society.

DR. THOMAS LEWIS (S. B. Penick & Co., New York) is now on a visit to Britain and may be contacted through his company's agents, C. F. Gerhardt, Ltd., 5 Fenchurch Street, London, E.C.3.

Mr. WILHELM SCHNEEMANN, agent in Germany for A. G. Hersom 142A Canbury Park Road, Kingston-upon-Thames, Surrey, has been on a visit to Britain to discuss the company's exports to Germany.

MR. L. LONG, Ph.C., M.P.S. (Australia), visited Jersey recently. He was met at the quayside by Mr. P. R. J. Roberts, M.P.S., and Mrs. Roberts, and was later the guest of the president and members of the island Branch of the Pharmaceutical Society at an informal cocktail party.

Messrs. C. E. J. Sendall, M.P.S., and A. J. Jones, Ph.C., A.R.I.C., retired from the board of Evans Medical Supplies, Ltd., on June 30, after forty-two years' and thirty-three years' service respectively. Mr. Sendall was apprenticed to Mr. T. Parker, Preston, qualifying in 1907. He joined the board of the company in 1922, and was appointed director in charge of the company's pharmaceutical laboratories. In 1943 he took on also the responsibility of workshops at Speke, Liverpool, under the title of production director. He served for many years on Group 2 of the then Wholesale Drug Trade Association and on the compressed tablets subcommittee of the British Pharmacopæia Commission for the 1948 He was chairman of the group. 1937. Mr. Jones served an analytical and manufacturing apprenticeship under the late Dr. S. Judd Lewis and qualified as a pharmacist in 1912. Two years later he passed the Pharmaceutical Chemist examination, and in 1922 he was elected A.R.I.C. He joined Messrs. Evans in 1918 to undertake pharmaceutical process research and in 1927 took charge of the company's fine chemical works, Runcorn, joining the board in 1943. He has served on several revision committees of the B.P. and British Pharmaceutical Codex and has contributed a number of papers to meetings of the British Pharmaceutical Conference.

#### **COMING EVENTS**

Tuesday, July 11

British Standards Institution, 24 Victoria Street London, S.W.1, at 3 p.m. Annual meeting.

Sunday, July 9

LONDON CHEMISTS' GOLFING SOCIETY, Verulam Golf Club (Telephone: St. Albans 327).

#### **MARRIAGES**

Cassidy—O'Donoghue.—At St. Peter and Paul's Church, Cork, recently, T. C.



Cassidy, M.P.S.I., Claremorris, co. Mayo, to Kathleen O'Donoghue, Shandrum, Bantry, co. Cork.

Hamilton—Culbert.—At the Methodist Church, Airdrie, on June 24, Ian Hamilton, Edinburgh, to Wynné Millar Spence Culbert, youngest daughter of Mr. W. Spence Culbert, M.P.S., Bal-na-craig, Airdrie.

ROYSTON—FIRTH.—At Thorp Methodist Church, Idle, Bradford, on June 28, Stanley Myers Royston, M.P.S., Leyton Drive, Idle, to Ellen Muriel Firth, Eccleshill.

#### Silver Wedding

McNair—Macdonald.—At Govan Old Church, Glasgow, on June 30, 1925, John McNair, M.P.S., to Marion Macdonald.—Present address: Kirk Street, Strathaven.

#### **DEATHS**

Anderson.—On June 26, Mr. William Anderson, M.P.S., 101 Bell Lane, Hendon, London, N.W.4, formerly of 53 Church Road, N.W.4, aged eighty.

Campbell.—At 13 Rowantree Road, Walkerville, Newcastle-on-Tyne, on June 24, Mary, wife of the late Mr. Donald Campbell, M.P.S., Edinburgh.

DRUCE.—On June 23, Mr. John Gerald Frederick Druce, M.A., M.Sc. (London), R.Nat.Dr. (Prague), F.R.I.C., 315 Norbury Avenue, London, S.W.16, aged fifty-six. Dr. Druce was head of the chemistry department, Battersea Grammar School. Dr. Druce contributed a number of articles to The Chemist and Druggist.

ELLISSON.—Information has been received of the death in June 1949 of Miss Harriett Kathleen Ellisson, M.P.S., Market

Place, Brewood, Staffs. Miss Ellisson quali fied in 1924.

Hall.—On August 6, 1949, Mr. Wal ter Hutchinson Hall, M.P.S., 9 Wellingtor Street, Littleborough, Manchester. Mr Hall qualified in 1898.

PEAKE.—On March 22, Mr. Alexande Sidney Peake, M.P.S., 224 Ashby Roac Scunthorpe, Lincs, aged sixty-four. Mr. Peake qualified in 1907 and was wit Jolley & Co., Curzon Street, Londor W.1, before going to W. H. Bell & Co., 64 Albany Street, Regents Park, N.W.1 first as manager, then partner, and later a proprietor. He retired in 1948.

Polgreen.—On June 8, Mr. Cyril Polgreen, Haldon, Perranporth, Cornwal aged seventy-five. Mr. Polgreen qualifie as a chemist and druggist in 1902.

Powrie.—On June 6, Mr. Andrew Olphant Powrie, M.P.S., 97 Victoria Roac Dundee, aged forty-seven.

PRESCOTT.—On June 25, Mr. John Prescott, M.P.S., 93 Park Road, Peterborough Northants, aged seventy-seven.

REITH.—At a nursing home in Aberdeen, on June 17, Mrs. Isabella Ferric Reith, widow of the late John R. Reith M.P.S., Cults.

#### WILLS

Mr. J. F. Matthew, M.P.S., 97 Macho Bank, Sheffield, left £8,362 (£8,267 net

Mr. F. S. Weston, M.P.S., 146 Egyl Road, Nottingham, left £4,146.

Mr. A. Davidson, M.P.S., 18 Derwer Road, Ipswich, left £6,286 (£6,248 net

Mr. R. Hope, Ph.C., Eaves Lane, Choley, Lancs, left £287.

Mr. F. H. Bowden, Ph.C., 182 Broad stone Road, Heaton Chapel, Stockpor left £484.

Mr. A. E. Chadwick, M.P.S., 16 Mour Echo Avenue, London, E.4, left £3,56 (£3,438 net).

MR. B. W. HEATON, M.P.S., 73 Arde Road, Acocks Green, Birmingham, le £5,445 (£5,378 net).

Mr. J. Tirrell, M.P.S., 13 Marke Square, Hanley, Stoke-on-Trent, le £2,358 (£2,312 net).

Mr. J. McRostie, M.P.S., Lynfield Leatherhead, Surrey, left £577.

Mr. W. H. Morgan, M.P.S., 26 Shrop shire Street, Market Drayton, Salop, le £577 (£491 net).

#### NOTES TRADE

Boxed Toilet Roll. - Kittybrewster paper), Ltd., Kittybrewster Works, Aberleen, illustrate on another page their boxed Everest toilet tissue.

A Therapeutic Index.—Sandoz Prolucts, Ltd., 134 Wigmore Street, London, W.1, have issued under the title "Sandoz Index 1950" a 56-page guide to the company's specialities.

Price Changes.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.I, state that the prices of tablets of methionine, B.D.H., 0.25 gm., were reduced on July 3.

Hand and Body Lotion.—Max Factor, Hollywood & London (Sales), Ltd., 16 Old Bond Street, London, W.1, have intro-duced World of Beauty lotion which is claimed to "bring heavenly skin loveliness" to hands and body.

Again in Stock.—Solport Brothers, Ltd., Portia House, 44 Spencer Street, London, E.I, state that the Portia series of Baby balances and weighing outfits is again in stock. The series includes the D57 weighing hammock; D54 baby balance; and Do weighing outfit comprising balance, hammock and weight chart.

South African Agency Wanted.—The United Kingdom Trade Commissioner at Johannesburg reports that Macdonald Adams & Co., 21 Klerk Street, Johannesburg, wish to obtain the representation of a United Kingdom manufacturer of polarimeters and sugar refractometers. Messrs. Macdonald Adams are wholesale chemists and a subsidiary of South African Druggists, Ltd.

Treatment for Amennorhoea.—British Schering, Ltd., 229 Kensington High Street, London, W.8, have introduced Orasecron, a new oral treatment for secondary amenorrhœa. Issued in bottles of ten, twenty-five, 100 and 250 tablets, the product is an alternative to Disecron injection. Each tablet contains 10 mgm. ethisterone, B.P., and 0.05 mgm. ethinyl æstradiol.

Adrenaline Cream for Rheumatism .-Christie, George & Co., Causeway Laboratories, Longcauseway, Farnworth, Lancs, state that their Balmadren adrenaline cream for the relief of rheumatic pain and stiffness contains 1 in 5,000 adrenaline in vanishing-cream base, as recommended by Dr. Louis Moss in a clinical report published in the "Medical World," April 15.

Balmadren is issued in 1-oz. and 2-oz, airtight jars. It may be obtained either direct or through wholesalers. A counter card is available.

Elixir of B Vitamins. — Vitamins, Ltd., Upper Mall, London, W.6, have introduced a new vitamin-B complex The propreparation, Befortiss elixir. duct contains the principal factors of the vitamin-B complex, including adequate amounts of pyridoxine, and the syrup is flavoured to mask the slight bitterness of the B vitamins. The dose is such that one or two teaspoonfuls three times daily provides a high enough intake for the treatment of most conditions encountered in Britain. The preparation is presented in bottles of 4 and 40 fl. oz.

"A Day in Edinburgh."—Under that title an entertaining pocket-sized guidebook has been published by T. & H. Smith, Ltd., manufacturing chemists, Blandfield Chemical Works, Edinburgh, 11. A colour representation of an original water-colour drawing giving an excellent impression of an Edinburgh skyline is included among interesting features on the "Athens of the North." The booklet is handsomely illustrated and the text, which is a veritable mine of information, was specially written by a well-known Edinburgh journalist, Mr. T. W. Jack. Copies may be obtained free of charge from the company's advertising department.

Chamois-leather Substitute. — Walter Shaw, Ltd., 15A Marylebone Mews, New Cavendish Street, London, W.I, are marketing a chamois-leather substitute in three sizes: 18 x 16 in., 24 x 18 in., and 24 x 21 in. The substitute reaches the public at approximately one-third the price of genuine chamois leather. It is claimed to be much stronger than the genuine material and difficult to tear, even when roughly used; not to become slimy in water or stiff when dry; to be soft, resilient and pliable when wet; to show resistance to abrasion and even to be improved with It may be washed in warm use. water, using any soapless detergent, and if necessary may be boiled for a time not exceeding two minutes.

Show Material.—Coates & Cooper, Ltd., Pyramid Works, West Drayton, Middlesex, are making available to pharmacists a new small plastic display card for Gynomin.—Bob Martin, Ltd., Southport, have produced new point-of-sale display material for Bob Martin condition-powder tablets and Tibs cat powders. The material includes hanging cards, display outers loaded with packs, showcards and display screens.—A showcard issued by Osborne, Garrett & Co., Ltd., London W.1, for Estolan hair-conditioning cream is pierced for the insertion of the red and grey carton, which comes forward at an angle from an arresting black and white background.—O. Scruton & Co., Ltd., Barker Lane, York, state that show material for Nurse Harvey's mixture is now available on application.

Streptomycin in Bovine Mastitis .--Glaxo Laboratories, Ltd., Greenford, have introduced a streptomycin treatment for certain forms of bovine mastitis that are resistant to penicillin. Known as dihydrostreptomycin veterinary cerate, Glaxo, the new treatment is regarded as complementary to penicillin and not as a replacement. It is likely to be most useful against organisms that are penicillin-resistant penicillinase-producing (e.g., strains of E. coli and Staph, aureus). Dihydrostreptomycin veterinary cerate, Glaxo, is supplied to veterinary practitioners against signed prescriptions in boxes of twelve tubes, each containing a single dose of dihydrostreptomycin sulphate equivalent to 0.25 gm. (250,000 units) streptomycin base. tube is fitted with a nozzle for insertion.

Distaguaine-G Varieties.—DISTILLERS Co. (BIOCHEMICALS), LTD., Fleming Road, Speke, Liverpool, 19, announce the introduction of two new forms of Distaguaine-G. Distaguaine Fortified contains in each dose 300,000 international units of procaine penicillin G and 100,000 i.u. crystalline potassium penicillin G, the intention being to combine the immediate effect of the soluble potassium salt with the prolonged effect of the relatively insoluble procaine salt. Distaquaine Fortified is issued in rubber-capped injection-type vials of dry suspension for the extemporaneous preparation of an aqueous suspension. The second new Distillers Co. product is Distaquaine suspension, a ready-prepared aqueous suspension of Distaquaine-G, issued in rubber-capped injection-type vials of 10 mils, and containing procaine penicillin G, 300,000 i.u. per mil. Both products are distributed by Allen & Hanburys, Ltd., The British Drug Houses, Ltd., Burroughs Wellcome & Co., Evans Medical Supplies, Ltd., Imperial Chemical (Pharmaceuticals), Ltd., and Pharmaceutical Specialities (May & Baker), Ltd.

#### Proprietary Articles Trade Association

(Alterations to Protected List (Part 1 Eli Lilly & Co. Ltd. (Reduced prices public-July 3). Amytal tablets: gr. 40's, 18s. doz., 2s. 3d.; 500's, 144s. doz 18s.; gr. \(\frac{3}{4}\), 40's, 24s. doz., 3s.; 100's, 56 doz., 7s.; 500's, 192s. doz., 24s.; gr. 1 12's, 14s. doz., 1s. 9d.; 40's, 36s. do: 4s. 6d.; 100's, 8os. doz., 10s.; 200 26s. 8d. each, 40s. Enseals Seconal sodiur gr. 3/4, 100's, 88s. doz., 11s.; 500's, 30s. 8/each, 46s.; Pulvules Seconal sodium: g 34, 40's, 38s. doz., 4s. 9d.; 100's, 84s. do: 10s. 6d.; 500's, 30s. each, 45s.; gr. 1 40's, 60s. doz., 7s. 6d.; 100's, 132s. do: 16s. 6d.; 500's, 50s. each, 75s. Pulvul Tuinal: gr. 1½, 40's, 60s. doz., 7s. 6d 100's, 132s. doz., 16s. 6d.; 500's, 51s. eac 76s. 6d.; gr. 3, 40's, 88s. doz., 11s.; 100 17s. each, 25s. 6d.; 500's, 76s. 8d. eac 115s. (all exempt from tax).

—J. G. Ingram & Son, Ltd., Enemas Zenith, 63s. doz., 7s. 3d.; Utilema, 63 doz., 7s. 3d.; Atlanta, 65s. 3d. do: 7s. 6d.; Zebina, 69s. doz., 8s.; Sterile dum, 72s. 6d. doz., 8s. 6d.; Eclips 87s. 6d. doz., 10s. 3d.; Adaptable, 95s. 6d. doz., 11s. (all exempt from tax).

W. T. Owbridge, Ltd., Owbridge's lur tonic, small size, 11s. 6d. doz., tax 33<sup>1</sup>/<sub>3</sub> p cent., inclusive retail price 1s. 7d. Additions to Protected List (Part 2

Crystal Products Co., Ltd., Outdo Girl deodorant cream, 9s. 9d. doz., to 33\frac{1}{3} per cent., inclusive retail price, 1s. 6 Prichard & Constance (Mfg.), Ltd Amami cream shampoo, small, 6s. 8d. dor

tax 33\frac{1}{3} per cent., i.r.p. 1s. Amami soa less shampoo, 2s. 5d. doz., tax 33\frac{1}{3} p cent., i.r.p. 4d.

Alterations to Protected List (Part 2

Henry C. Miner, Ltd., Lipstick, sma 4s. 7d. doz., tax 100 per cent., i.r.p. 1 Musterole Fine Products Co., Ltd., Mu terole normal, bonus of one free wi twelve withdrawn.

The British Drug Houses, Ltd., Beac sun-tan cream, 12s. doz., tax 100 per cen i.r.p. 2s. 6d.

—Solport Bros., Ltd., Portia baby-weiging hammocks, D57, 34s. doz., tax 33½ pcent., i.r.p. 5s. 3d.; outfit, D60, 68s. 6 doz., tax 33½ per cent., i.r.p. 10s. 6d. fas. Woolley, Sons & Co., Ltd., Nuror

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Jas. Woolley, Sons & Co., Ltd., Nuror sun-tan cream, 4-oz. bottle, 11s. doz., ti 100 per cent., i.r.p. 2s. 3d. 8-oz., 17 doz., tax 100 per cent., i.r.p. 3s. 6 Nurona sun-bronze cream, 4-oz. tube, 11 doz., tax 100 per cent., i.r.p. 2s. 3d.

### GUIDANCE TO DOCTORS ON PRESCRIBING

Letter accompanies copy of Cohen Committee's Second Report

Doctors taking part in the National Health Service in England and Wales are being sent by the Chief Medical Officer of the Ministry of Health (Sir John Charles) a letter seeking their co-operation in keeping down the cost of the Service by not prescribing expensive proprietary medicines where similar and equally effective preparations are available in standard forms, often much more cheaply. With the letter is being sent a copy of the second report of the Committee set up under the chairmanship of Sir Henry Cohen, by the Central and Scottish Health Services Councils (see C. & D., 1949. II p. 584).

The Committee makes a number of recommendations relating to proprietary preparations, particularly those advertised direct to the public. Where new drugs of proved value are not yet standard, and are only available as a proprietary, they should be freely prescribable. The committee suggests that other proprietary preparations (which are placed in broad categories) should, unless of doubtful value, be prescribable provided that (1) they have not been defined as foods or toilet preparations, or as not drugs for N.H.S. purposes; (2) they are not advertised direct to the public; and (3) satisfactory arrangements for price are made between the health departments and the manufacturers.

The Committee (with one dissentient) regards it as undesirable that medicinal preparations advertised direct to the public should be prescribable on Form EC10.

#### Terms of Report

The report is substantially in the follow-

ing terms:

A practitioner providing general medical services in the National Health Service is required by his terms of service to order on Form EC10 "such drugs and prescribed appliances as are requisite for the treatment of any patient." The practitioner is therefore free to prescribe whatever drugs he considers necessary. When, however, it appears to the Minister, after an investigation of the orders for drugs and appliances given by a practitioner, that there is a prima facie case for considering that by reason of the character or quantity of the drugs or appliances the cost is in excess of what was reasonably necessary for proper

treatment, the Minister may refer the matter to the Local Medical Committee for their consideration in accordance with Regulation 12 of the National Health Service (Service Committees and Tribunal) Regulations, 1948. The practitioner is then required to explain his action. The Regulation provides that if the explanation is unsatisfactory he may have a sum withheld from his remuneration by the Executive Council. In Scotland the National Health Service (Medical and Pharmaceutical Service Committees and Tribunal) (Scotland) Regulations, 1948, make similar provisions, except that the initiative for investigation rests with the Local Medical Committee.

#### Decision Remains with Prescriber

From the outset members of the Committee were agreed that, wherever the discussions might lead, there should be no absolute restriction on the prescribing by a general practitioner of any drug which in his opinion was necessary for the treatment of his patients. That meant that, if the Committee were to recommend that certain drugs should not be prescribed by a practitioner, he would still be at liberty to prescribe them; or if a list of "approved" drugs were drawn up, the practitioner could still prescribe drugs not on the list. In either case, however, he might have to justify his action before his colleagues on the Local Medical Committee. Freedom of prescription was a fundamental assumption throughout the discussions.

The Departments provided the Committee with a list of several hundred proprietary preparations that were amongst those being prescribed on Form EC10. majority of the preparations consisted of drugs singly or in combination which did not differ materially from the drugs and preparations included in the British Pharmacopœia, British Pharmaceutical Codex or National Formulary, Such proprietary preparations are usually more expensive often much more expensive—than standard drugs or preparations of reputed analogous therapeutic effect. There is no medical advantage in prescribing an expensive proprietary brand of a standard drug or preparation, but equally no objection to such prescriptions can be taken on purely medical grounds.

The Committee was not unanimous in

its views on the desirability of drawing up at this stage lists of proprietary preparations and other drugs that a doctor could or could not prescribe without risk of his having to justify his action. A minority thought that a list of any sort would be resented by general practitioners, and that the existence of any form of restriction would create a bad effect on the public in fostering a belief that some drugs, however essential they might be for the treatment of a patient, could not be obtained in the National Health Service. The majority thought that the issue of a list would be welcomed by practitioners, who would then know what they might prescribe in reasonable quantity without risk of having to justify their action, and who would then be in a stronger position to resist the requests of unreasonable patients.

#### A Recommendation Adopted

Members were, however, agreed that the co-operation of doctors should be sought before any attempt was made to impose positive restrictions. The Committee therefore recommended to the Health Services Councils, in a first interim report dated December 1949, that a letter should be sent to all practitioners stating that the Committee was reluctant to recommend any restrictions on the drugs that could be prescribed in the Health Service, but was disturbed at the high cost of the pharmaceutical services, particularly where caused by the prescription of expensive brands of proprietary drugs, and asking for the co-operation of the profession to prevent excessive prescribing. The Committee also recommend that, because a patient was often supplied with a proprietary brand of drug at hospital and then was recommended to continue with the same brand, the letter should be sent to hospital staffs as well as to general practitioners. A letter was accordingly drafted by the Departments and its terms in general approved by the Committee [see below].

Although the Committee decided that no attempt should be made to impose positive restrictions until the effect of the letter to doctors had been determined—even though that might mean a delay of some months—it also decided (by a majority) that the preparation of a list of drugs should start at once. There were two ways in which lists of preparations could be compiled to inform practitioners of preparations they could or could not prescribe

without risk of having to justify their ac tion. First, a list could be drawn up c drugs of doubtful value or of unnecessaril expensive brands of standard drugs. Th difficulties of compiling such a list were however, clearly formidable. It would b necessary to compile an exhaustive list s that no unnecessarily expensive brand of standard drug should by its omission b regarded as "approved"; and it would b necessary to add to the list at frequer intervals as new drugs or new prepara tions came on to the market. The second and more practicable, method would b to compile a list of "approved" drug which a practitioner would know he coul prescribe, in reasonable quantity, withou question.

#### Preparations Advertised to Public

The Committee was in doubt about th meaning of drugs of "unethical charac ter" referred to in the terms of reference The meaning was understood to be pre parations advertised direct to the public While many preparations fell within tha definition, some are advertised also in the medical Press and not all are essentiall different in character from preparation advertised exclusively to the medical pro fession in journals or by other means. Th Committee has not, therefore, attempted to allocate preparations into the categorie suggested in its terms of reference, but ha adopted a more suitable classification (se below). Since, however, the responsibilit for prescribing should rest solely with the practitioner, the Committee (with one dis sentient) regards it as undesirable tha medicinal preparations advertised direct t the public should be prescribable on forn EC10.

The Committee agreed that all drug and preparations described in the Britisl Pharmacopæia, British Pharmaceutica Codex and National Formulary should b freely prescribable (except those classifie as foods, toilet preparations, or not drug for N.H.S. purposes). Those drugs and preparations are referred to as "standard" or "official."

#### Categories

At the Committee's request the De partments provided samples and details o some fifty proprietary preparations, a study of which suggested that proprietary pre parations could, for the Committee's pur poses, be conveniently arranged under the following six categories:—

(1) New drugs of proved value not yet tandard.

(2) Proprietary brands of standard

lrugs, singly or in combination.

(3) Standard preparations, and new emedies of proved value, in elegant form or vehicle.

(4) Qualitative and/or quantitative nodifications in the composition or combination of standard preparations, or new emedies of proved value, which are not accepted as therapeutically superior to preparations included either alone or in combination in the British Pharmacopæia, the British Pharmaceutical Codex or the National Formulary.

Preparations not in the British Pharmaceutical Pharmacopœia, British Codex or National Formulary, which in the Committee's view have not been proved of therapeutic value.

(6) Preparations which are a combina-

tion of (4) and (5).

Apart from preparations in categories (5) and (6) (which consist of, or contain, drugs of doubtful value) the Committee has no reason for suggesting on medical grounds that those proprietary preparations should not be freely prescribable in the National Health Service, except when advertised direct to the public. The objection to many of them is that a standard drug of reputed analogous therapeutic effect can be prescribed at less cost but the Committee does not feel competent to advise on the question of cost. therefore recommend that proprietary preparations in category (1) should be freely prescribable, and that preparations in categories (2), (3) and (4), which we regard as not therapeutically superior to standard preparations, should be prescribable subject to (i) their not being designated as foods, toilet preparations, or not drugs for N.H.S. purposes by the Definition of Drugs Joint Sub-Committee, (ii) their not being advertised to the public, and (iii) satisfactory arrangements for price being made between the Health Departments and the manufacturers.

The Committee is prepared, if Councils so wish, to continue work on classifying into those six categories such preparations as are referred to it. "This will be a long process because there are many thousands of such preparations and a therapeutic assessment involves the collection of all relevant information and a study of each preparation individually."

#### The Letter to Doctors

The text of the letter the Chief Medical Officer is sending to doctors is as follows:

DEAR DOCTOR,-You will remember that on January 20 Sir Wilson Jameson wrote to all doctors in the National Health Service on the subject of prescribing costs, inviting their co-operation in the difficult task of keeping down unnecessary expenditure in this field. The Committee of the Health Services Councils has now completed an important preliminary report on the subject of prescribing costs, and I am enclosing with this letter a copy of the report. The Health Departments accepted the recommendations of the report, and are beginning the work of putting them into operation.

Again I am seeking co-operation, for I know that it is by co-operation, rather than by orders and regulations, that the best results are achieved. Let me say at the outset, as is stated in paragraph 4 of the report, that there is no intention of placing any absolute restriction on the prescribing by a general practitioner of any drug which in his opinion is necessary for the treatment of his patients. It is because this principle is accepted that I am asking general practitioners, by friendly co-operation, to help the Health Departments to avoid any expenditure which is unnecessary for the

proper treatment of patients.

You are probably aware of the fact that rather more than 30 per cent, of the cost of medicines supplied to public patients is for proprietary preparations. Of course, it would be wrong to condemn proprietary preparations as a whole, indeed, some of them are of great value in the treatment of patients and have no standard equivalent. There can be no question of asking practitioners not to prescribe proprietary preparations known to be of proved value and for which there is no equivalent substitute.

There are, however, some proprietary preparations for which there are standard equivalents in the Pharmacopæia, B.P.C., or National Formulary, and which are more expensive than the standard preparation. It is in this field that substantial economies could be made without affecting in any way the efficacy of treatment. of us want the Health Service to cost more than is necessary, and there is reason to believe that a substantial saving could be effected if practitioners would prescribe the standard preparation, wherever it is equivalent to the proprietary.

The formal suggestion I want to make is that, save in any exceptional case where there is an over-riding medical consideration, doctors will seriously consider, before ordering one of these proprietary preparations, whether the standard drug could not be ordered without detriment to the patient's condition. It will be appreciated that, in many cases, preparations in this group are advertised direct to the public.

"The Departments would greatly value the help of the medical profession, while preserving their right to do what they believe to be best in the interests of the patient, in prescribing a stan-dard preparation where there is such a preparation, and so avoiding unnecessarily expensive prescribing."

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VOL. CLIV JULY 8, 1950 No. 3672

No "Absolute" Restriction
Although the Cohen Committee in its

second report (p. 45) has included neither 'black' nor "white" list of proprietary preparations from the point of view of their inclusion in National Health Service prescriptions, the Report gives a clear indication of the shape, or at least the system, in which future official policy is likely to

crystallise.

The immediate practical step taken is a letter to doctors. As will be seen (the text of the letter is given in full), medical practitioners under N.H.S. are strongly urged to take voluntary action to reduce the present level of cost of the pharmaceutical service. If the letter should by itself, or with the reinforcement of the Committee's full report that will go with it into the doctor's letter-box, have the desired effect, then no further action will be called for. But in the meantime the Committee is going ahead with the preparation of lists of proprietary medicines which the prescriber will be able to include on EC 10 forms without fear of being called before his medical colleagues to justify his prescribing. That fact speaks for itself.

Choice of the "white" rather than the "black" form of list, if list is adopted, will be generally preferred, since the introduction of new preparations would otherwise always leave doubts in the minds of prescribers and compounders, whereas the positive method involves at the worst a

time lag.

What items will go into the list? The report gives a clear indication. Among those to be freely prescribable would be

"standard" or "official" drugs and preparations (those of the British Pharmcopœia, British Pharmaceutical Codex and National Formulary, which would presumably be "listed" under an omnibus clause), and "new drugs of proved value not yet standard." Prescribable subject to provisos would be items in the following three additional categories:

(a) Proprietary brands of standard drugs,

singly or in combination.

(b) Standard preparations and new remedies of proved value, in elegant form or

vehicle, and

(c) Qualitative and/or quantitative modifications in the composition or combination of standard preparations, or new remedies of proved value, which are not accepted as therapeutically superior to preparations included either alone or in combination in the B.P., B.P.C. or N.F.

Non-prescribable would be "official" or "standard" preparations which in the Committee's view have not been proved of therapeutic value, and quantitative or qualitative modifications of such prepara-

tions.

The "provisos" referred to in the second "prescribable" group above are highly important and severely limiting. Apart from the obvious one that they are not ruled out under the first Cohen report (i.e., as foods, toilet preparations, etc.) they are concerned with (i) advertising to the

public and (ii) cost.

On the question of cost the Committee feels itself "not a competent body to decide," and the question is left to "arrangements for price being made between the Health Department and the manufacturers." If, finally, a preparation is advertised to the public it is held inadmissible (there was one dissentient from the Committee's otherwise unanimous decision on the point). The reasons for disallowing such preparations are not given, except so far as they are implicit in the phrase "as a means of increasing their sale [to the public]." No doubt there will be objections to the ruling. But if restrictions of any sort were necessary, it will be generally conceded that they should first affect preparations in that class.

What remains to be seen is whether the report will have effects not warranted

by its contents. On the one hand the busy doctor, not finding time to master it, may -to be on the safe side-content himself with prescribing only "standard" drugs, That would save money to the Exchequer but would not necessarily be to the advantage of the patient. On the other hand the anxiety lest branded and other proprietary medicines may become less and less prescribed may react unfavourably on the willingness of manufacturers to undertake research. That would put this country behind in the race for progress. Against those potential and undesirable effects the best safeguard is that prescriber and public should be made fully and precisely aware what the report does and what it does not contain.

#### A New Conception of Medicine

As indicated in an abstract on p. 57, Dr. Hans Selve has listed fifty-eight conditions in which A.C.T.H. or cortisone may be of value, sixteen in which it is of no value or may produce harmful effects, and four conditions they may even cause. conditions that may be relieved are connected with a phenomenon—the stress and general adaptation syndrome-to which Selye devoted his Heberden oration, reported in the "British Medical Journal," June 17, pp. 1383-92. The hypothesis is, as the B.M.J. points out, startling, and will not gain immediate general acceptance, Selve himself states that it will be many years, or even generations, before details of the general adaptation syndrome are satisfactorily elucidated. The conception of "building bridges" between endocrinology and general medicine was put forward by Selye as long ago as 1936. Only recently, following the isolation by Kendall in 1941 of compound E, the discovery of A.C.T.H., and the demonstrated significant effect of those hormones on, for example, arthritic conditions, has attention been focused upon it. The principle on which Selve bases his hypothesis is that stress endangers life unless it is met by adequate adaptive responses, and conversely, that anything that endangers life causes stress and adaptive responses. He describes three stages in which general adaptation syndrome develops: -1, Alarm reaction; 2, stage of response; and 3, stage of exhaustion.

measures of defence called out by stress at partly autonomic and partly endocrin. How the mechanism is brought into action is still unknown, but the principal endocrine response is a "shift" in pituital activity. The most necessary hormone for the preservation of life is corticotrophically. A.C.T.H.), which at times of stress is produced in increasing quantity. A.C.T.F. causes the adrenal cortex to increase i output of gluco-corticoids, including cort sone.

#### Present and Future Soap Supplied

A RECENT statement (see C. & D., Jur 24, p. 786), in which the Minister of Foc said he hoped that the rationing of soa would end before long, has caused som speculation in the trade. World product tion of oils and fats in 1950 is expecte to be in the region of 22,800,000 ton or about 1,200,000 tons more than th pre-war average. That expansion of sur plies, however, is offset by an increase i population. Although output of oils an fats is up, therefore, the "Economist," i surveying the position, points out the total exports have declined in step wit greater consumption in producing cour tries. In 1949, exports totalled 4,730,00 tons, an increase of 727,000 tons above the level of the previous year, but sti more than a million tons below the aver age of 5,830,000 for the years 1934-38 In the current year, exports are expected t increase slightly to 4,820,000. the greatest increase in production has of currred in dollar areas, whereas output ha fallen in soft-currency areas. Taking int consideration the priority call of foodstuff production, the quantity of raw materia available to British soap manufacturers not expected to be greater than 85 pe cent, of the pre-war level. If, therefore the unrestricted sale of soap were to excee a level of about 15 per cent, below the of 1939, rationing in some form or othe would have to continue. It is significar that consumption of soap in France ha fallen off since it was derationed, and today only about 60 per cent, of pre-wa consumption. A further factor in estimat ing the probable demand for soap is th growing use of soapless detergents.

## PRACTICE AND "PRINCIPLES" IN CHEMISTRY

By Kalamos

TUDENTS of pharmaceutical history trace, with unfailing interest, the fading out of theories which, because f the pressure of facts, have outlasted aceptance. In 1669 a book was published ith the title "Tyrocinium Chymicum: r, Chymical Essays, Acquired from The ountain of Nature, and Manual Experince. By John Beguinus, Almoner to the nost Christian King of France." The ranslator, whose name does not appear n the title-page, was Richard Russell. As ften happened in the sixteenth and seveneenth centuries, there was a time-lag beween the appearance of the original work and that of its English translation. Jean Beguin's book first appeared, in Latin, n 1610: it was translated into French by J. L. Leroy in 1615 and had a great vogue during the early part of the seventeenth century. Whether Russell rendered It into English as late as 1669, or whether his manuscript remained on his hands for several years while he was finding a publisher, I do not know: on the face of it, however, his work seems somewhat belated. In a scholarly monograph on Beguin and his book in "Annals of Science" (II.3), Professor T. G. Patterson, of Glasgow University, states that Russell's translation was apparently made from the Latin edition of 1612. The translator, he adds, might have done much better than he did, for the original work had been considerably improved since 1612 by Beguin and others.

#### Polemical Pages

Many of the 136 pages of the book are devoted to asserting the superiority of chemical medicines to galenicals. Much of the attraction of the system associated with the name of Paracelsus lay in the smallness of the doses usually prescribed; and the argument for chemical medicines, opened near the beginning of "Tyrocinium Chymicum," is elaborated in page after page till it becomes tedious. One quotation will suffice:

"The intention of this Artist [the chemist], is to prepare most sweet, most wholsome, and most safe Medicaments. And herein it is that our Art is distinguished from the vulgar *Pharmacopæa*, which also confects Medicines, safe indeed, and wholsome, but less grateful to the diseased. For as to sweet-

ness, or pleasure in taking, it must needs be granted, that the sick will sooner take Conserve of Roses, with which 4 grains of Mercury, working by seidge, only are commixed, than many drams of Diacatholicon: and will more willingly take only one of the blessed pills of Quercetanus, or two Pills of his Panchymagogon Electuary, than 10, or 15, without them, of gilded and fetid Pills, or four grains of Mineral Bezoar, of the most famous Dr. Hartmannus, or eight grains of Diaphoretick Antimony of Crollius, than any other Sudorifick potion: And much rather a little of the Cream of Magistery of Tartar, than an agonistick draught of Apozeme or Syrup of any Magistrale, laboriously confected according to a description of I know not how many foot long."

#### Objectors Answered

Realising that opponents of chemical medicines raised objections to such statements, the author deals with these objectors. They assert, he states, that the remedies of iatro-chemists are "for the most part venomous . . . more sharp, more corrosive, and more hot than is convenient, and also very strongly smell of the fire.' His first point, in reply, is that Galen and other classical authors used crude drugs which are now being "perfectly freed from all venomous malignity." He then has a tilt at the inconsistency of "miso-chymists" who order "metallick baths or mineral fountains" for their patients. lengthy passage follows discussing the absurdity of trying to correct the action of drugs like elaterium and colocynth by adding mastic, tragacanth, spike, cinnamon "or such like." Galen is cited as writing that fire "doth meliorate many things, and sometimes discovers the hidden nature of things." Further, if the use of fire renders chemical remedies obnoxious, the same drawback must be attached to many foods, drinks, and "vulgar medicaments," in preparing the latter a greater heat is often required than for completing "spagyrick" remedies. "Why," the author continues, "do they prepare infusions, decoctions, and syrups with violent fire? use they assations [i.e., roastings]? Why parchings? Why distillations?" Finally, the objection has been raised that chemical medicines are depressing, and that benefit received from them may be followed by a relapse ending fatally. If this happens, however, it is due less to the medicines than to "the Artificers that prepared them, or to the Physicians that exhibited them." Indeed, chemical remedies "do thoroughly cure distempers vulgarly uncureable:" the examples given include epilepsy, gout and dropsy.

#### Three "Principles" Tabulated

As is known, Paracelsus adhered to the concept of three cosmic principles called salt, sulphur, and mercury. Beguin develops this idea in a table:

SALT	SULPHUR	MERCURY
Common Salt	Salt-peter	Salt armoniack
Unpleasant, and	Sweet	Acid
bitter		Spirit
Body	Soul	Idea
Matter	Form	Informant, or
Patient	Agent	movent
Art	Nature	Intelligence
Sense	Judgment	Intellect
Material	Spiritual	Glorious

The connection between the contents this table is not entirely obvious. In Envon Meyer's History of Chemistry (3 English edition, 1906, p. 74) it is stat that in the time of Paracelsus salt, sulph and mercury, from which human beir were supposed to be built up, were relat to body, soul and spirit, and to the wor as a whole. This generalisation, v Meyer adds, was characteristic of the natural philosophy of the Renaissar period.

The formulas in "Tyrocinium Chyrcum" do not differ materially from oth of the period; they might have been sign as prescriptions by Mayerne or any of contemporaries. A remarkable narrati of salivation indicates that our author willing to accept at least a modicum the marvellous. In Idria, he states, "The was a decrepit Old man, who, having spethe whole time of his Life in preparicinnabar, did perpetually tremble; a he did so dealbate gold coin, by compreing it in his hand, as the native colc thereof did wholly disappear." A story this kind might fittingly have been investigated by members of the Royal Society.

#### THE PROFESSION IN PRACTICE

9.—The Pharmacy of Duncan, Flockhart & Co., Ltd., North Bridge, Edinburgh.

No. 6 North Bridge, Edinburgh (see lower right picture), stands on the site of the original and historic pharmacy of Duncan, Flockhart & Co., Ltd. (inset), then numbered 52. There, for ex-

numbered 52. There, for example, chloroform was made for James Y. Simpson's experiments on the use of anæsthesia in childbirth in 1847. The pharmacy was established by John Duncan in 1820, who took into partnership his partner in a business at Perth, Ogilvie. In 1832, when Ogilvie left, Duncan took on as partners Anderson and W. Flock-

hart, two former apprentices, both then qualified as surgeons. Anderson was later killed while serving with the Turkish Army, leaving the partnership as Duncan & Flockhart (both the partners being founder members of the Pharmaceutical Society of Great Britain). During the Crimean War chloroform production became the company's main activity, and in 1884, through the influence of Sir James Murray, whom Duncan had helped with his fluid

magnesia preparation, the pharmacy w granted a Royal Warrant. The busing grew and formed the foundation of the pharmaceutical house that now bears the pharmacy's name. T

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macy was installed in 180



## CONFERENCE OF PHARMACEUTICAL COMMITTEE REPRESENTATIVES

Summary of Official Report

EMPHATIC condemnation of the oncost cut, and a firm vote of confidence in the Central N.H.S. Committee and staff side of Whitley Council Committee A in presenting the case against it, were keynotes of the discussions at the Conference of Pharmaceutical Committee Representatives held in London on June 15, Mr. T. Heseltine in the chair. Nearly 300 representatives from 137 Committees were represented.

#### Course of Events

The Secretary (Mr. H. Noble) recapitulated the course of events between March 14, when the Minister of Health first informed the staff side of Whitley Council Committee A that he would propose a reduction of the oncost to 16 per cent., and April 21, when the Minister undertook to make the arbitrary cut from May 1 provisional only, pending revision in the light of the Whitley Council negotiations. After discussion of the course of events, the following resolutions were carried nem con:—

That this Conference endorses the intense resentment felt by all pharmacists engaged in the N.H.S. pharmaceutical service at the arbitrary action of the Minister imposing a provisional reduction in oncost by an unwarwanted use of his powers to alter the terms of contract, and in disregard of the constitutional machinery set up by the Minister specifically for the review of the terms of contract. The Conference demands that the relevant Regulations governing revision of terms of contract be amended so that in future, revision of the contract can only be made effective after full consultation with the chemist contractors' representatives and after adequate notice has been given to all contractors where the consultation has not resulted in agreement between the parties.

That this Conference approves and endorses the action taken by the Central National Health Service Committee immediately following receipt of the Minister's decision to impose an absolute cut in the oncost with effect at May 1, and all subsequent action of the Committee up to the time of receipt of the Minister's amended decision that the oncost be provisional only.

It was stated that the Central N.H.S. Committee would make it clear to the Ministry that the Whitley Council machinery had been acceped as the proper channel for dealing with matters affecting remuneration and that, without the confidence that no changes in remuneration would be made except through the Whit-

ley Council machinery, negotiations could not effectively be pursued through that machine. After the resolutions had been passed, the Chairman opened a discussion on the Ministry's case for a reduction in oncost and on action taken to secure information to establish the contractors' case for adequate remuneration. On the financial side, the services of Peat, Marwick, Mitchell & Co., consulting accountants, London, had been retained, and a limited-scale inquiry had been put on foot to determine as precisely as possible the nature and extent of the inquiries necessary to obtain from a representative selection of contractor chemists up-to-date statistics on the costs of providing the dispensing service. The chairman also indicated that, subject to the views of the Conference, it was intended to seek from all contractors full information on the economics of the current container-allowance system with provision for the contractor to express an opinion on the retention of the present system or a return to the deposit system. The Conference endorsed the proposal to hold the inquiry.

#### Rejected Absolutely

After a wide ranging discussion into the factors influencing cost of provision of pharmaceutical services, including additional capital expenditure, increased wages and salaries, stock losses through changing prescribing habits and additional capital necessary to maintain a high level of pharmaceutical service, the following resolution was adopted:—

That this Conference rejects absolutely the case put forward by the management side of the Pharmaceutical Whitley Council for a reduction in oncost percentage, and expresses its conviction that any necessary economies should be secured by dealing effectively with the causes of the increased costs instead of with the effects.

Note was taken of the short fall in average dispensing fee from the average of approximately 1s,  $0\frac{1}{2}$ d, aimed at in the original contract, and the Conference was informed that the Central N.H.S. Committee was giving close consideration to the cases for an increase in the overall dispensing fee and for adjustments of individual fees within the present fee scale.

When the Conference came to the future conduct of negotiations, Mr. T. J.

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ROBERTS. Denbigh, proposed a vote of confidence in the Central Committee. The motion having been seconded, THE CHAIR-MAN called for amendments, and representatives from Swansea put forward a proposal that employee pharmacists engaged in retail pharmacy should be represented on the Central N.H.S. Committee. amendment also incorporated a proposal that the N.P.U. Executive should immediately form an employee section, which could then appoint representatives to the Central N.H.S. Committee. THE CHAIR-MAN ruled the latter part of the proposal out of order, since the Conference was not an N.P.U. Conference. A number of delegates spoke in support of the proposal that there should be direct representation by employee pharmacists on the Central N.H.S. Committee, but on its being put to the vote the proposal was lost. motion in the following terms was then carried nem con:-

That this Conference approves the staff side of the Pharmaceutical Whitley Council Committee A as the body to negotiate on terms of contract on behalf of chemist-contractors in the Whitley Council machine. That this Conference authorises the Central National Health Service (Chemist Contractors) Committee to continue as the representative body for chemist contractors in all National Health Service matters not dealt with through the Whitley Council machine.

#### Advice if Necessary

THE CHAIRMAN undertook that no expense, time or trouble would be spared in obtaining advice actuarial, legal, or otherwise in preparing the case for the forth-coming Whitley Council negotiations, and the Conference agreed that the Committee should have full power to use its discretion in such matters. The Conference recognised that the case put forward by the Ministry of Health as justifying the cut to 16 per cent, in oncost was based on assumptions that past experience would be repeated, despite action which the Ministry was itself taking to affect both matters. The Conference considered that matters. it would be preferable to have the prescriptions actually dispensed during period to which the rate of oncost eventually agreed would apply before seeking to arrive at a settlement in the Whitley Council, and that prescriptions dispensed in either June or July 1950 should be priced so soon as possible after their receipt in the pricing bureaux, unpriced prescriptions already held in the bureaux being put on one side until the necessary pricing work had been completed to privide a factual background for the Wholey Council discussions. The Conference mpowered the Central N.H.S. Committee to take a decision on the monselected on the understanding that if Junius was chosen, the pricing figures were ulikely to be available before September for the Whitley Council discussions,

#### Local Publicity

MR. H. F. BREAKSPEAR, Berks, move that a publicity campaign should lopened in the local Press to inform the public of the difficulties that had to I overcome in providing a satisfactory se vice, and to remove any impression th payment for the pharmaceutical service was excessive. Mr. G. A. H. Bosle Berks, seconded, but MR. C. A. RICHARI son, Yorks, West Riding, opposed, on th ground that nothing was to be gained k trying to gain public support in a matte that was of little interest to them. TH Conference rejected a resolution callin for specific publicity, but the chairma agreed that the Central Committee woul keep the whole question under review.

The Conference agreed to leave it to the Negotiating Committee to decide when the next Conference should be called, THE CHAIRMAN intimating that it would not be before September; the secretaries of Phanmaceutical Committees would be kept in formed of the progress of negotiations.

THE SECRETARY outlined the basis o which the Minister's action in altering th basis of computation of an account had been challenged; whilst it was only reason able that the Minister, in working out wha the payment-on-account should be, to us the 16 per cent, oncost figure he had provisionally fixed, it was improper for him to state in the House, as he had done on severa occasions, that the payment-on-accoun was approximately 90 per cent, of the contractor's bill and for the Ministry their to fix the payment-on-account on a basi that did not even pretend to yield 90 per cent, of the value of the prescriptions in respect of which the payment was being The Conference authorised the Central Committee to resist a change in basis of payment-on-account.

#### Supply of Appliances

Various delegates having referred to instances in which chemist contractors had supplied appliances in good faith only to have, many months later, notice of their

aving been disallowed for payment, the llowing resolution was carried:-

That it is the opinion of this Conference that the placing of responsibility on the chemist for the supply of appliances is invidious, and causes friction between doctor, patient and chemist. The schedule of appliances should be extended to include all such appliances as should properly be obtainable as part of the general medical practitioner service and thereafter responsibility for non-scheduled appliances should be placed on the prescriber.

#### Doctors' Stock Orders

THE CHAIRMAN called attention to neotiations with the British Medical Assoiation on the subject of arrangements unler which doctors should keep stocks of lrugs for emergency use. He pointed out hat doctors had received a small capiation fee to cover such supplies to their patients, but the Ministry wished to subtitute an arrangement, already in use in scotland, whereby doctors could order lrugs and appliances for emergency on Form ECIOA. The purpose in view was clearly to reduce the number of prescripions issued. Under threat of regulations, the Central N.H.S. Committee had opened discussions with the B.M.A. to arrive at a mutually satisfactory scheme covering a limited list of drugs and appliances, limitation of quantities, and adequate safeguards. It was proposed to send a joint memorandum to the Ministry and to support it by a joint delegation. It would be stated that the aim was to equip the doctor for occasions when articles were not readily obtainable from a chemist or when personal treatment by the doctor was necessary; that quantities must not exceed immediate needs of the patient, and that the regulations must be changed to provide for investigation of complaints and if need be withdrawal of the privilege. It was also proposed to make the scheme provisional for twelve months, and to dethe machinery for investigating alleged abuses. A motion that the Contractors' Committee should be authorised to continue the negotiations was carried nem con.

Under the head of "other business," MR. H. M. HIRST, Yorks, North Riding, asked what was the position with regard to No. 20 hypodermic needles. He had heard that there were millions in Germany, but that the Government would not allow them to be imported. The Secre-TARY replied that dealings with the Ministry of Health on the matter were continual, but up to the time of the meeting little progress had been made.

#### A PHARMACIST'S ANTHOLOGY

[A Chemist's Customer in Dublin, About 10 a.m., June 16, 1904].

"BETTER get that lotion made up. Where is this? Ah yes, the last time. Sweny's in Lincoln place. Chemists rarely move. Their green and gold beaconjars too heavy to move. Hamilton Long's, founded the year of the flood. Huguenot churchyard near there. Visit some day." He walked southward along Westland row. But the recipe is in the other trousers. O he can look it up in the prescriptions book. The chemist turned back page after page. Sandy shrivelled smell he seems to have. Shrunken skull. And old. Quest for the philosopher's stone. The alchemists. Drugs age you after mental excitement. Lethargy then. Why? Reaction. A lifetime in a night. Gradually changes Living all day among your character. herbs, ointments, disinfectants. All his alabaster lilypots. Mortar and pestle. Aq. Dist. Fol. Laur. Te Vivid. Smell almost cure you like the dentist's doorbell. Electuary or emulsion. The first fellow that picked an herb to cure himself had a bit of pluck. Want to be careful. Enough stuff here to chloroform you. Test: turns blue litmus paper red. Chloroform. Overdose of laudanum. Sleeping draughts. Lovephiltres. Paragoric poppysyrup bad for coughs. Clogs the pores or the phlegm. Poisons the only cures. Remedy where you least expect it. Clever of nature. "About a fortnight ago, sir?" "Yes," Mr. Bloom said. He waited by the counter, inhaling the keen reek of drugs, the dusty dry smell of sponges and loofahs, Lot of time taken up telling your aches and pains. Sweet almond oil and tincture of benzoin. Mr. Bloom said, and then orange flower water. . . .

"Yes, sir," the chemist said. "That was hes, sir, the chemist said. That was two and nine. Have you brought a bottle?" "No," Mr. Bloom said. "Make it up, please. I'll call later in the day, and I'll take one of those soaps. How much are they?" "Fourpence, sir." Mr. Bloom raised a cake to his nostrils. Sweet lemony wax. "I'll take this one," he said. "That makes three and a penny." "Yes sir," the chemist said. "You can pay all together, sir, when you come back." "Good," Mr. Bloom said.

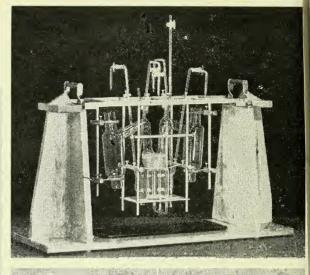
From "Ulysses," by James Joyce.

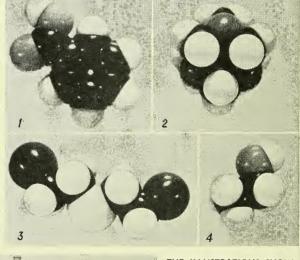
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## RECENT SCIENTIFIC EXHIBITS







through tube for electrophoresis apparatus. (Hilger & Watts, Ltd.)

Left. Automatic constant volume fraction collector. Centre. Molecular models of the Stuart pattern: 1. Benzoic acid; 2. Hexamine; 3. Mustard gas; 4. Ethyl alcohol (Chemical Research Laboratory) (see C. & D., April 15, p. 476). Grown Copyright.

### CHEMICAL RESEARCH LABORATORY PROGRESS

"Open Day" at Teddington

HE most obvious development of the past ear revealed to members of the Press who ttended "open day" at the Chemical Reearch Laboratory recently was the new Vational Collection of Industrial Bacteria. The Collection already contains about 400 trains, including organisms used for assay such as that of vitamin B12), and for alcool and acetone production, etc. It was et up in January 1950, taking over some oo non-pathogenic organisms from the National Collection of Type Cultures, Colindale, London, when that Collection disbanded all organisms not of medical and veterinary interest (see C. & D., June 10, b. 735). Later other cultures from America were added, and it is intended to main-ain in the Collection any organism that has ceased to be of use industrially in Britain, but which may again become required at short notice. Messrs. W. S. Greaves and P. S. S. Dawson, who are in charge of the Collection, hope eventually to make it comprehensive. Names of cultures held will be published in the United Kingdom List of Species in 1951. Following the method adopted at Colindale, the cultures are being issued dry. They may thereby be easily and quickly dispatched. In addition they need only to be subcultured every year for maintenance, with consequently a greatly reduced chance of acquiring new characteristics.

The Collection, part of a Commonwealth Organisation, has already sent cultures to almost every country in the world. Inquiries are dealt with by the Labora-

tory Director.

#### Rust Inhibitors

In another part of the Laboratory work on the problems of packaging metal products has brought to light the value of new vapour-phase rust inhibitors, especially cyclohexylamine "carbonate." Wrapping paper is impregnated with the compound, and the vapour evolved acts as an inhibitor that can penetrate to places where a contact inhibitor (such as sodium benzoate, with which the paper may also be impregnated) cannot reach. The compound is prepared by passing carbon dioxide into an ethereal solution of cyclohexylamine. It has not yet been established whether the product is a carbonate or bicarbonate. A newly evolved method of coating metal products (applicable to surgical instruments and involving the use of rubber latex) was also shown to visitors to the Laboratory.

#### Inorganic Group Exhibits

The inorganic group demonstrated how a good separation of iron, copper and nickel might be obtained by simply controlling carefully the ph of the solution. A simple device was shown for the continuous separation by centrifugation on a pilot-plant scale of gelatinous precipitates that ordinarily clog filtering material.

Pursuing the problem of sulphate-reducing bacteria in the corrosions of metal pipes, microbiologists at the Laboratory have discovered the first example of inorganic competitive antagonism—selenate

for sulphate.

Chemists in the organic group are investigating possible new systemic insecticides using coal-tar products (N-heterocyclic alkyl esters of bis (dimethylamine) phosphonous acid).

#### **MEDICAL ABSTRACTS**

Fatal Anthisan Poisoning.—Miller and Pedley ("British Medical Journal," 1950.I. 1115) describe a case of fatal poisoning in a sixteen-months-old child following the consumption of an unknown number, but probably not more than six, of o.I-gm. tablets of Anthisan. A positive reaction for mepyramine maleate was obtained from the stomach contents but not from the liver, kidney, blood or urine.

Use of A.C.T.H. and Cortisone.—Selye ("British Medical Journal," 1950.I.1383-92) sums up the value of A.C.T.H. and He lists forty-seven conditions cortisone. in which the drugs have been of value, including asthma, eczema, gouty arthritis, hay-fever, rheumatic fever, rheumatoid arthritis and vasomotor rhinitis. Preliminary data suggest that the compounds may be of value in glaucoma, hepatitis, hypertension, hyperthyroidism, nephritis (especially if due to allergy) and several other conditions, but of no value in carcinomas of most types, multiple myeloma or poliomyelitis. They may even produce harmful effects in acne vulgaris, congestive heart failure, diabetes mellitus, hypertensive disease of certain types, nephritis of certain types, peritonitis, septicæmia, etc., and may, in certain circumstances, cause acute pulmonary ædema or ascites, give rise to a decrease in resistance to infections, or obscure the criteria of disease (e.g., ac-celeration of the pulse in acute infections,

#### **GUIDE TO NEW MEDICAMENTS**

Information about new proprietary medicaments to be supplied principally on prescriptions. Editorial recommendation is not implied. Reprints obtainable on application.

#### PREGNENOLONE

Manufacturer: The British Drug Houses, Ltd., Graham Street, London, N.I.

Description:  $\triangle^5$ -pregnenolone or  $\triangle^5$ -pregnen-3-( $\beta$ )-ol-20-one.

INDICATIONS: Rheumatoid arthritis.

Dosage: Optimum dosage as yet undetermined. Initially 100-300 mgm. daily, by intramuscular injection, suggested. Treatment to be continued for at least ten days.

How Supplied: Ampoules, each containing 100 mgm., in boxes of 3 and 25.

Notes: The compound is distinct chemically from pregneninolone (ethisterone).

#### U.F.I.

Manufacturer: Southon Laboratories, Ltd., 84-88 Upper Richmond Road, London S.W.15

Description: A white, non-toxic powder containing methylene-di-urea, 31; di-methylene-tri-urea, 23; urea, 44; and ionisable iodine, 2. Soluble in water 1 in 40, in glycerin 1 in 12, and in serum and tissue fluids 1 in 37, at 37° C.

INDICATIONS: As a surgical prophylactic and for the treatment of penicillin and sulphonamide resistant infections.

How Supplied: Powder, in bottles containing  $3\frac{1}{4}$  and  $7\frac{1}{2}$  oz. Ointment (25 per cent U.F.I.); in 2-oz. pots and 12-oz. jars. Dusting powder (15 per cent. U.F.I.); ir 2-oz. sprinkler tins. Vaginal tablets, in bottles of twenty and 100.

#### NIDOXITAL (Ortho)

Manufacturer: Ortho Pharmaceutical, Ltd., Lane End, High Wycombe, Bucks.

Description and Formula: Capsules containing pyridoxine hydrochloride, 50 mgm. dl-methionine, 100 mgm.; nicotinamide, 25 mgm.; benzocaine, 100 mgm., and pentobarbitone sodium, 15 mgm.

INDICATIONS: Nausea and vomiting of pregnancy. Contra-indicated in complication of pregnancy.

Dosage: Usually, one capsule 30-45 minutes before meals.

How PACKED: Bottles of 20, and (dispensing size) 100 capsules.

Notes: In many cases relief is obtained with 12-20 capsules administered over 4-7 days. The makers recommend therefore that initial prescriptions be limited to 20 capsules.

#### SECLOPEN

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: A dry sterile powder containing procaine penicillin G and crystallin sodium penicillin G in the ratio of 3 units: 1 unit, with buffering and suspending agents.

INDICATIONS: Where penicillin treatment is required.

Dosage: Intramuscularly, 1 mil (see below) every twenty-four hours. Resistant acut infections may require 1 to 2 mils every twelve or twenty-four hours.

Supplied: In single dose vials or five dose vials, in quantities so that when the prescribed volume of sterile water is injected into the vial each mil of the resultant suspension contains 300,000 units procaine penicillin G and 100,000 units crystallin sodium penicillin G.

Notes: The preparation provides an early peak level and subsequent lower therapeutilevel for about twenty-four hours.

#### HERB CROP REPORTS

Perks & Llewellyn.—Our crop of AVENDER is well forward. It has suffered a damage by frost and is in very good andition. Provided the weather is dry dd sunny in early July, the crop should an excellent one.

an excellent one.

Potter & Clarke, Ltd.—For the main art, the crops of English herbs this year e well advanced and there was very little amage done by the late frosts, since most the plants were well established by then. covided there is no period of prolonged ought between now and the time when ey are cut, they should give a normal eld. We expect to obtain particularly ood yields of Wormwood, Bryony Root, LEWORT, HOREHOUND, MARIGOLD FLO-ERS, CONIUM LEAF, BITTERSWEET, HERRY LAUREL, BROOM, COMFREY HERB IN ROOT, AND RASPBERRY LEAVES. It is nticipated that there will be a normal op of Digitalis, Wild Lettuce, Larch Red Poppy Petals, ANDELION ROOT, COLTSFOOT LEAVES, PHAGNUM MOSS, GARLIC, BELLADONNA EAF and ROOT, HOPS, PULSATILLA, ROSE PS, WILLOW BARK and LIME FLOWERS. he crops of Marshmallow root and EAF, RUE, MARJORAM, ELDER FLOWERS and LEAF, HEMLOCK SEED, PEPPERMINT, HYME and BUCKTHORN BERRIES are bew average and may yield only fair quanies, but some of them may improve as

e summer advances. Stafford Allen & Sons, Ltd.—After nother very mild winter the majority of ir crops came away well in the Spring, it the subsequent extremely dry spell excrienced in Suffolk has adversely checked rtain crops. Once again we have had a agnificent crop of Belladonna and have BROOM TOPS will be made this year. he Chamomile crop is looking extremely ell and we should have a very fine colction of flowers for distilling. Owing to e drought last summer when CLARY SAGE as planted out, we lost a lot of our plants nd the crop is not so good as we would ish for. DILL is growing very well and e hope to get a good yield of oil. We ope to have a good harvest of DIGITALIS it we are greatly dependent upon the eather. Our plantations are in great need There are plenty of ELDER rain. LOWERS about and supplies of water and l should be plentiful. Only first-year YOSCYAMUS leaves will be available of which e hope to have a good crop. LAVENDER

bushes are looking very well and we have expectations of a good yield of oil. POPPY PETALS are fairly plentiful but, with farmers spraying over crops every year, supplies are becoming harder to obtain. PARSLEY is looking very well and we are keeping this for distilling. Beds of PEPPERMINT are growing well and this year should yield a considerable increase over last year. The herb is very clean and healthy and we are hoping to produce some very good oil in due course. WILD LETTUCE should be up to average condition.

William Ransom & Son, Ltd. — All crops survived the winter well but the cold weather during May retarded growth and encouraged insect pests. Belladonna.—We are now harvesting a good crop under ideal conditions. This year's plantations are very backward and require rain. BROOM TOPS.—We have again collected sufficient tops to meet reasonable demands. Buck-THORN BERRIES.—The crop will be collected as usual in the autumn when we hope to be in a position to meet the demands of all our customers. Chamomile.—The acreage has been reduced owing to lack of demand. This year's small crop is growing exceptionally well but actual yield of oil will depend on weather conditions in July. Colchicum.—We have a small plantation but the demand for British-grown corms and seed is negligible owing to much cheaper offers from the Continent. Dandelion.—Collection begins in August when we hope to have enough to meet requirements. Elder flowers.—We are now gathering an excellent crop. Hemlock.— An average crop. HENBANE.—The secondyear plantation, after weathering the winter well, was a very disappointing crop. First-year plantations are growing well. LAVENDER.—So far the fields look promising. Present weather conditions are ideal. LETTUCE. — We have a good crop just coming into flower rather earlier than usual. Peppermint.—We have again increased our acreage. Both this year's and 1949 plantations are making rapid growth. It is too early in the season to give an estimate of the yield. POPPY HEADS .- We have a larger acreage. It is too early in the season to give an opinion but at present it looks very promising. Poppy petals.
—Supplies are plentiful. Present weather conditions, dry and warm, are ideal for collection. Small plantations of RHUBARB, ROSEMARY, SQUIRTING CUCUMBER, VALERIAN, show normal growth.

#### TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quant ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex Street, W.C.2, July 5

DEMAND for PHARMACEUTICAL and FINE CHEMICALS has been on a good scale during the past week, with business on export account well up to the higher level of recent weeks. The seasonal call for CITRIC ACID from the home trade and for export is heavy, but it is understood that manufacturers are meeting all normal requirements. Supplies of TARTARIC ACID are moving well. Price movements have included a small decrease in Mer-CURIALS—rates for Ammoniated, B.P., and PERCHLORIDE, B.P., are down by twopence per pound, while the Subchloride, B.P., and the Yellow and Red Oxides, B.P.C., are down by threepence per pound. Higher prices are asked for Guatacols, crystal and carbonate, but the liquid is unchanged. There has been a slight improvement in the call for Crude Drugs. A fair business has been done in Balsam TOLU. Cape Aloes continues firm, with no offers of prime from the source. Buchu is cheaper on the spot, with lower priced material coming forward. ERGOT remains a firm market. Cochineal is very scarce on the spot. Small supplies of No. 1 and No. 2 Tinnevelly Senna leaves are available on the spot, but No. 3 are still very scarce; Indian prices are advancing. Rhu-BARB is in good demand and 10s. to 10s. 6d., duty paid, has been paid for Chinese rough-round on the spot. Men-THOL continues quiet.

In Essential Oils, the Chinese Anise market is reported slightly firmer. Chinese Peppermint, however, continues quiet and steady. Spot quotations have risen for Bourbon Geranium oil. No change is made in Ministry of Food prices of Unrefined Oils and Fats and technical Animal fats allocated to primary wholesalers and large trade users during the five week period ending August 5. The Ministry's stocks of Castor oil are now exhausted and its prices are therefore

withdrawn.

#### U.S. Drug and Chemical Report New York, June 30

IMPROVED manufacturing methods are given as the reason for a substantial reduction in the price of VITAMIN BE. The crystalline material now costs 98½ cents per mgm. compared with the former price of \$2.52. The price of PICRIC ACID, N.F., has been advanced by 8 cents per lb. to 50 cents. SALICYLATES are meeting with a steady inquiry while there has been a good seasonal demand for Photographic Chemicals. Both technical and photographic grades of SODIUM HYPOSULPHITE have been advanced by 20 cents per cwt. because of higher production costs. The latter is now

priced at \$4.75 per cwt, and the minimul price for technical is \$3.75 per cwt. MEN THOL prices are declining and quotation mow range from \$11.50 to \$11.55 per lb or about 50 cents below prices of a few weeks ago; demand is very limited an low priced material will be available i mid-July at about \$11.40 per lb., China i offering menthol for July-August shipmer at the equivalent of \$10.25 per lb., dut paid. Chinese Camphor is lower in pric with powdered material on the spot available at 42 cents per lb. against 45 cent previously. The Botanical Drugs may ket has been quiet but firm in tone. Shor ages prevail in Papain, Saffron, Cham Mille Flowers and Ergot. Kamala is ver scarce on the spot. Very little Nicaragua 1PECACUANHA appears to be available as result of substantial purchase on exponancount and it is reported that no materis may be found at less than \$4.50 per lb. fc August-September shipment; this price i 10 cents below current spot values. I the Essential Oils market all grades of Geranium are in short supply and th Algerian product is now commanding \$1 to \$19 per lb. against the previous pric of \$1.7. Italian Lemon has been advance to \$2.95 from \$2.75 per lb., reflecting firms conditions at source. Large quantities of ill should be an exponsible for easier spot markets for Gualaccount and Petitigrania.

#### Exchange Rates on London

Rates at the opening on Wednesda morning were:—

Centre	Quoted	Rate
	Piastres to £	$97\frac{1}{4} - 97\frac{3}{4}$
Amsterdam	Florins to £	10.63-10.65
	£A to £	125-1252
*Bombay	Shillings to	0 01
	rupee	$1/5\frac{15}{16}$ — $1/6\frac{1}{16}$
Brussels	Francs to £	139.90-140.1
Copenhagen		19.32-19.36
Dutch East Indies	Florins to £	Suspended
Dutch West Indies		$5.27\frac{1}{2}$ $5.29$
*Hong Kong	Shillings to	1/215-1/332
	£I to £	$99\frac{3}{4} - 100\frac{1}{4}$
	Shillings to	3344
	rupee	$2/1\frac{27}{32}$ - $2/1\frac{15}{16}$
Lisbon	Escudos to £	80.35-80.65
	Peso to £	5.60-5.65
	Dollars to €	$3.07\frac{3}{4} - 3.08\frac{1}{4}$
	Dollars to €	$2.79\frac{7}{8}$ $-2.80\frac{1}{8}$
	£NZ to £	1003-101
	Kronor to £	19.98-20.02
	Francs to £	979—981
	Cruzeiros to £	Braz. a/c
	Shillings to \$	$2/4\frac{1}{6}$ $2/4\frac{3}{16}$
	Kronor to £	14.47—14.50
	Rials to €	89.40-91.00
	Francs to £	12.23—12.26

<sup>\*</sup>Free market rates; remainder Bank of England

#### Pharmaceutical Chemicals

ADRENALINE.—B.P. is quoted from 3s. to 6d. per gm. for natural and 2s. to 6d. for synthetic; racemic, 2s. per gm. p-Aminobenzoic acid. — Makers' prices e from 35s. to 38s. 6d. per lb. The DIUM salt is 37s. 6d. to 41s. per lb. Bromides.—Makers' rates per lb. in the nited Kingdom and Eire are as folmed Kingdom and Elle are as follows:—Potassium, B.P. (crystal) and DIUM, B.P.: 5 cwt., 2s. 2½d.; 1 cwt., 3½d.; 28 lb., 2s. 10d.; 7 lb., 3s. 1½d. he potassium salt in powder is 1½d. per more than the foregoing prices. Amonium, B.P.C., is 1½d. per lb. more than the potassium salts. Terms: e potassium and sodium salts. rices net, 1-cwt. cases or kegs charged; 3-lb. parcels, free; smaller quantities larged extra. Schedule quantities may

made of assorted salts down to 28 lb. CHLOROXYLENOL.—B.P. quality is quoted t from 5s. 6d. to 6s. 9d. per lb.

CITRATES. — Prices are as follows:—
OTASSIUM, 5-cwt, lots, 2s. 10½d, per lb.;
cwt, 2s. 11½d.; scheduled prices for
unntities of 28-lb. to 1 cwt, are (conainers in brackets): 3s. 9½d. (1-lb.);
s. 8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d.
14-lb.); 3s. 5½d. (28-lb.): Iron and AmIONIUM CITRATE. B.P., 7d. per lb. more;
ODIUM, B.P., 3d. less; powder, 1d. more.

EMETINE. — The HYDROCHLORIDE in 32-EMETINE.— The HYDROCHLORIDE IN 52-z. lots is 215s. per oz.; 16-oz., 217s. 6d.; -oz., 220s.; 1-oz., 227s. The Bismuth oddle in 32-oz. lots is 112s. per oz.; 16-z., 113s. 6d.; 4-oz., 115s.; 1-oz., 116s. 6d. Periodide is quoted at 190s. per oz. in 6-oz. lots; under 16 oz., 195s. per oz.

Guaiacols.—Liquid and crystal are from 5s. 6d. to 17s. 6d.; and carbonate from 8s. 6d. to 20s. 6d. per lb.

MERCURY SALTS.—Small reductions have been made in prices of the major salts. Current prices per lb, from makers are as July prices per lb, from makers are as follows:—Ammoniated, B.P., powder, S. 3d. (1 cwt.); lump, 8s. 1d. Iodide (Mercurous), B.P.C., 21s. 3d. (28 lb.). Iodide (Mercurous), B.P.C., 21s. 3d. (28 lb.). Iodide (Mercurous), B.P., 16s. 9d. (1 cwt.). Oxide (Red), B.P.C. and Oxide (Yellow), B.P., 8s. 7d. (1 cwt.). Perchloride, B.P., lump, 7s. 3d., and powder, 6s. 9d. (1 cwt.). Subchloride, B.P., 8s. 1d. Sulphate (Mercuric), B.P.C., 14s. Sulphide (Mercuric), 16s. (28-lb.). Sulphide (Vermillon), 9s. 3d. (1 cwt.). Mercury with Chalk, B.P., small lots, 5s. 2d.

Orthocaine—Quotations are from 120s.

Orthocaine.—Quotations are from 120s. to 125s. per lb., as to quantity.

PARADICHLOROBENZENE. — For B.P.C. quality, 1s. 7d. per lb. is quoted, for small quantities.

SILVER SALTS.—NITRATE in 1,000-oz. lots is quoted at 3s. 43d. per oz. Protein, B.P. (8 per cent.), in 14-lb. tins, 36s. 3d. per lb. Vitellin, B.P.C., 20 per cent., is 66s. per lb. (14-lb.); 30 per cent., 88s. per lb.

STEARIC ACID.—In short supply. Triplepressed is from 148s. to 150s. per cwt.

#### Crude Drugs

Aconite,—Quiet. Indian is quoted at 285s. per cwt., on the spot; napellus is quoted at 3s. 10d. per lb., spot, duty paid.

AGAR.—Quiet. Kobé No. 1 for the home trade is offered at from 8s. 6d. to 9s. 3d. per lb. on spot; Korean, afloat, 8s. 6d., c.i.f.

Aloes.—Extra-prime Cape, 120s., c.i.f., quoted. On the spot, tins in crates, offered at from 125s. to 126s, per cwt.; in drums, 117s. 6d. Curação, 220s. to 225s. per cwt., spot; for shipment, 210s., c.i.f.

Areca nuts.—Spot quotations are from 40s. to 60s. per cwt., as to quality.

Arnica flowers.—Spot quotations are from 1s.  $4\frac{1}{2}$ d. to 1s. 6d. per lb., duty paid.

Asafetida. — Persian on spot is quoted at from £13 to £24 per cwt., as to grade.

Balsams. — Spot Canada is selling at 17s, 9d, per lb. Pará Copatha continues steady at from 7s. 6d, to 8s, per lb. duty paid, and 7s. 6d, in bond. San Salvador Pcru is offered at from 7s, per lb., duty paid. Tolu is quoted at from 17s. 9d, to paid. *Tolu* is quote 18s. 3d. per lb., spot.

BELLADONNA.—Imported root is offered at from 3s. 9d. to 4s. 3d. per lb., as to test; leaves are from 4s. to 4s. Gd. per lb.. spot, duty paid.

Benzoin.—Sumatra block on the spot is quoted at from £17 to £17 10s, per cwt. Siam, 23s. per lb., spot.

Black haw.—Supplies of tree bark are offered at 3s, 3d, per lb., duty paid,

Buchu.—Easier. Short-round leaves are quoted at from 2s. 8d. to 2s. 9d. per lb. on the spot; for shipment, 2s. 4d., c.i.f.

Calumba.—Natural unwashed sorts are quoted at from 75s. to 80s. per cwt., spot.

CAMPHOR.—Chinese 4-oz, tablets are quoted from 5s. 3d. to 5s. 6d. per lb. duty paid, spot London; for shipment 4s. 9d., c.i.f. Chinese refined powder (B.P.) is offered at from 4s. to 4s. 3d., duty paid (in bond. 3s. 9d.): July-August shipment, 3s. 6d., c.i.f. B.B. grade, on spot, 3s. 9d., duty paid; July-August, 2s. 10d., c.i.f.

Cantharides. — Chinese on the spot is 5s. 6d. per lb.; for shipment, 5s. per lb., c.i.f., quoted.

Capsicums. — African on spot is 190s. to 250s. per cwt., as to quality and origin.

CARDAMOMS.—Green Aleppy on the spot, quoted at from 17s. to 18s. per lb.: Aleppy seeds, on the spot, are quoted at 28s. 6d. per lb.; split seeds, 23s. per lb., on spot. Mangalore A's, 19s. per lb., spot.

CASCARA SAGRADA. — American from origin is quoted at 215s. per cwt., c.i.f.. for new-peel bark. Spot supplies are short; 275s. per cwt., duty paid, has been paid for 1949 bark.

CLOVES. — Firm. Zanzibar on spot is quoted at 1s. 9½ per lb.; for shipment, 1s. 10¾d., c.i.f. Madagascar is offering at 1s. 9d. per lb., in bond.

Colchicum. — Corms on spot are quoted at from 2s. 3d. to 2s. 9d. per lb., as to test; seeds, from 7s. 6d. to 9s. per lb., spot, duty paid.

Colocynth.—Fair-quality white pulp on

the spot is quoted at 2s. per lb.

Ergot, — Portuguese f.a.q. on spot, 27s. 6d. per lb., quoted; new-crop, July-August, 30s., c.i.f.; August-September, 27s. 6d., c.i.f.

Frangula Bark .- Quotations are in the region of 80s. per cwt., duty paid, spot.

Gentian.—French on the spot is quoted at from 85s, to 87s, 6d. per cwt.

GINGER. — African new-crop quoted at from 305s., spot; June-July, 295s., c.i.f., nominal. Jamaican No. 3, 460s. per cwt., nominal, spot; No. 2, 445s., c.i.f.

Guaiacum resin.—Spot quotations are at 3s. 9d. per lb.; to arrive, 3s. 3d., landed.

IPECACUANHA.—Quiet. Colombian on spot is quoted at 32s, per lb.; for shipment, 28s, 6d., c.i.f. Nicaraguan is 35s, per lb. on the spot; for shipment, 35s., c.i.f., quoted.

Karaya.—Firm. Selected is quoted at 360s. per cwt., spot; No. 1, 320s.; No. 2,

255s.; No. 3, 190s.

Kola nuts.—African quarters are from  $4\frac{1}{2}$ d. to 5d. per lb. and halves at 4d., spot London. Jamaican halves, 5½d. per lb., spot.

LIQUORICE.—Anatolian natural root on LIQUORICE.—Anatolian natural root on the spot is quoted at from 48s. to 49s. per cwt.; Syrian is 47s. per cwt., ex store Liverpool. British block, 150s. to 195s. per cwt., as to grade. Turkish block juice is quoted at from 150s. to 220s., duty paid, according to holder. Turkish stick is from 285s., duty paid. Italian stick is from 285s. 285s. to 475s. per cwt., duty paid.

OLIBANUM.—Good drop is quoted at from 220s. to 225s., and medium drop at 190s.; peas are 220s.; fair garblings, 125s.; sifting are short on the spot and 120s. per cwt.

has been paid.

Orange Peel.—Thin cut Tripoli is quoted at 1s. 1d. per lb., duty paid, spot; Spanish bitter quarters are offered at 1s. 9d. per lb., spot.

Podophyllum. — Indian (emodi), afloat,

is quoted at 400s, per cwt., c.i.f. Psyllium.—Black seed, 2s., and blond,

1s. 3d., both in bond London.

Quassia.—Quiet. Chips on the spot are quoted at from 32s. to 35s. per cwt., c.i.f. Quillaia.—Natural bark on the spot is

160s. per cwt.; shipment, 145s., c.i.f. Quince seed. — No supplies of Cape. Spanish is reported available but there is little interest

Rhubarb.—Spot, Chinese rough-round is from 10s. to 10s. 6d. per lb., duty paid.

Sarsaparilla.—Jamaican native red is short on the spot, 2s. 4d. per lb., quoted; for shipment, 2s. 1d., c.i.f.

SEEDS .- ANISE .- Market quiet, Turk is 155s. per cwt., duty paid; Egyptian 140s. per cwt., in bond, both spot Lond 140s. per cwt., in bond, both spot Londo CELERY.—Quiet and unchanged. Indian Is. 9½d. per lb., spot London. French nominal at 230s. per cwt., duty paid London. CORIANDER.—Market dearer shipment. Morocco, spot London, is 10 per cwt., duty paid; and 95s. per cwt., bond. Indian is quoted at 90s. per c For shipment, new-crop Morocco is quot at 80s, per cwt., c.i.f. London, for Ju August shipment. Cumin.—Owing to high prices asked for shipment the marlis not so active here. Spot. Morocco. 19 is not so active here. Spot, Morocco, 19 per cwt., paid, in bond; Cyprus is 18 per cwt. New-crop Morocco for Ju August shipment is quoted at 212s. August shipment is quoted at 212s, per cwt., c.i.f. Caraway.—Dutch is 12 per cwt., duty paid, spot London. Dill Indian in poor demand at 62s. 6d. 1 cwt., spot London. Fennel.—Indian quoted at 95s. per cwt., spot Londo Fenugreek.—Morocco is in poor dema at 54s. per cwt., duty paid, on the sp. London or Liverpool. Indian is quoted 62s. 6d. per cwt. spot London at 62s. 6d. per cwt., spot London.

SENEGA.—Quiet. Spot quotations are 1 to 11s. 6d. per lb.; for shipment, 10s. to 10s. 9d., c.i.f., indicated.

Senna. -- Indian prices have advance SENNA.—Indian prices have advance Tinnevelly leaves, wet-crop prices (c.i. are as follows:—Prime: Bold, 11½d.; 1, 9½d.; No. 2, 8d.; No. 3, 7d. per F.a.q.: No. 1, 8½d.; No. 2, 7½d.; No. 6½d. per lb. Graded No. 4, 6d. per Business reported in No. 3, prime a f.a.q., and in graded No. 4. Ordinary has pricked nodes are covered at 0d and follows. picked pods are quoted at 9d. and f.a at  $6\frac{1}{2}$ d. per lb., c.i.f.

SHELLAC.—F.O.T.N. pure, on the sp is quoted at 255s.; F.O. Standard 272s. 6d.; and fine orange, 292s. 6d. 352s. 6d. per cwt., ex warehouse London

STRAMONIUM.— Jugo-Slav leaves quoted at 80s. per cwt.; a parcel of Dut leaves is offering at 11d. per lb., land terms. Indian is 47s. 6d. per cwt., spot.

Strophanthus, — Spot quotations 1 Kombé, 100 per cent., are from 17s. 6d. 18s. 6d. per lb.; gratus continues short the spot and prices from 18s. 6d. are ask

STYRAX.—Spot quotations for crude at from 6s, 9d, to 7s, per lb., duty paid,

Tonka beans.—Trinidad, frosted on t spot, quoted at 7s. 6d. per lb. Pará frost 5s. 6d. to 6s. per lb., spot, as to holde shipment, 5s. 6d., c.i.f.

Tragacanth.—White ribbon, selected, quoted at £140 to £145 per cwt.: No. £140: No. 2, £117 6s.; No. 3, £100, sp

TURMERIC.—Madras on the spot is qu ted at from 105s. to 110s. per cwt., as quality; new-crop, June-July, 95s., c.i.f.

VALERIAN.—Belgian root on the spot quoted at from 190s, to 195s, per cwt.

#### Essential and Expressed Oils

AMBER.—Rectified on the spot is offered 1s. 2d. per lb.

BAY.—West Indian on the spot is quoted from 6s. to 7s. 6d. per lb.

BIRCH TAR. - Quiet. Crude is offered 6s. per lb., spot London.

CADE.—Spanish oil, B.P., on the spot, quoted at from 2s. 9d. to 3s. 9d. per lb. Cajuput. — B.P. quality is quoted at om 18s, to 19s, 6d. per lb.

Camphor.—White oil on the spot is quod at 2s. 6d. per lb., duty paid; brown l, from 1s. 6d. per lb., spot, duty paid.

CANANGA.—Java is offered at 28s. 6d. r lb., spot, for small quantities.

CARAWAY .- English-distilled is offered at om 38s. 6d. to 40s.; imported oils are of-ored at from 22s. 9d. to 26s. 6d. per lb.,

ot. CARDAMOMS.—English-distilled is quoted

from 450s. per lb.; imported, from 330s. 350s., duty paid.

Cassia.—Spot quotations are from 17s. er lb.; for shipment, 16s. 3d., c.i.f., quoted. CEDARWOOD.—East African is quoted at s. 6d. to 4s. 6d. per lb., spot London.

COPAIBA. — Spot offers are at from 4s. 6d. to 15s. per lb.

CORIANDER. — English-distilled is quoted t about 250s. to 260s. per lb. Dutch is ffered at from 185s. to 210s., duty paid.

CUBEBS. — Supplies of English-distilled ffered at from 50s, to 55s, per lb. Imorted is quoted at from 52s. to 55s.

Cumin.—Quotations for English-distilled re at about 70s. per lb.

DILL.-English-distilled oil is quoted at about 65s, per lb. for B.P. quality. Imported oils are offered at from 28s. to 55s. 3d. per lb., as to quality.

GINGER.—English-distilled is from 150s. to 300s. per lb., as to grade and seller, imported oils, 120s. per lb., spot.

GUAIACWOOD.—Spot quotations are from 17s. 6d. to 18s. per lb., duty paid.

JUNIPER BERRY.—Imported oils are quoted at from 19s. to 25s. per lb., duty paid; English-distilled, first quality, is offered at from about 75s. per lb.; B.P.C. oil is 25s.

LAVANDIN.—On the spot, quotations are

from 12s. to 13s. per lb.

NUTMEG.—Prices of English-distilled oil are at 32s. 6d. to 37s. 6d. per lb.; second-grade, 25s. per lb. Imported oil is offered at around 32s. 6d., duty paid.

Origanum. — Quotations are 12s. 6d. to 13s. 6d. per lb., on the spot.

Palmarosa.—Spot quotations are from 48s. to 50s. per lb., spot.

Petitgrain.—Paraguayan is quoted at from 14s. 3d. to 16s. per lb., spot.

PIMENTO BERRY. — English-distilled oil, from 65s, to 70s. per lb. and upwards as to quantity; No. 2, 27s. per lb., spot.

PINE.—Pumilionis, about 16s. to 17s. per lb., spot; sylvestris, from 8s. 6d. to 10s. PINE NEEDLE.—First-grade on the spot is quoted at from 14s. to 16s. per lb.

Rosemary.—Spanish on spot is offered at 6s. 8d. to 8s. per lb., as to quantity.

Sassafras.—Brazilian is quoted at from 4s. 9d. to 6s. 6d. per lb., spot, duty paid

TI-TREE.—Supplies are offering at 6s. per lb., ex wharf London.

#### KORDOFAN GUM ACACIA

THE table gives arrivals and exports for May-November, inclusive, for the three years 1947/48/49, as a rough guide for the corresponding seven months of 1950.

		Arrivals	Exports AND Loss 1947	Arrivals 1948	Exports and Loss 1948	Arrivals	Exports AND Loss 1949
May		Tons 3,840	Tons 2,767	Tons 3,396	Tons 2,214	Tons 2,330	Tons 2,825
UNE	••	1,845	1,428	1,744	2,098	990	1,958
ULY	• •	929	1,088	667	3,421	401	1,936
August		428	944	215	3,705	285	4,117
Бертемв	ER	517	2,562	345	2,267	360	3,233
Остовен	٠	453	2,538	384	3,698	400	2,840
Novembi	ER	797	2,131	934	3,575	834	2,881
		8,809	13,458	7,685	20,978	5,600	19,790

should be ex-Ιt amined in conjunction with another table (see C.  $\mathcal{C}$  D., July 1, p. 18), showing similar particulars for December-April, inclusive, Imports of gum acacia, from all sources, into the United Kingdom during January-May, inclusive, of year, current totalled 99,827 cwt. (valued at £394,666, c.i.f.), against 107,977 cwt. (value £305,144, c.i.f.) in January-May, 1949.

#### ZANZIBAR CLOVES

A MARKET review of the Zanzibar Clove Growers' Association for the quarter ended March 31 states that picking of the vuli crop was completed during the quarter and supplies that had come forward to the local market during the mwaka and vuli seasons were little short of the estimate of 570,000 frasilas (8,906 tons); there was little doubt of its realisation by the end of July. The prospects of the mwaka crop commencing about the end of July, was good. The crop was not sufficiently advanced to make the usual detailed estimate, but early and approximate indications were that it would be in the neighbourhood of 7 to 8 lakhs of frasilas. Supplies for the three months totalled 12,890,133 lb. The greater part of these supplies, viz., 9,144,392 lb., was the produce of Pemba, Zanzibar contributing 3,745,741 lb.

#### Prices Advanced

At the beginning of January, prices in the open market were Shs. 84 to Shs. 85 per 100 lb. for fair-quality cloves, declining to Shs. 79 in the middle of the month, and steadily rising to Shs. 81/50 at the close of the quarter. The Association's prices in February remained steady around Shs. 83/50 and thereafter, largely as the result of considerable overseas demand against a small balance of stock, and also in anticipation of a quota for the Indian market, prices increased sharply, reaching Shs. 143/50 in the fourth week of March, when prices declined to between Shs. 130 and Shs. 135, rising to Shs. 142/75 at the close of the quarter. The Association's guaranteed minimum buying prices (per 100 lb.) for the period commencing July 1, 1949, and ending June 30, 1950, were: Zanzibar, good-quality, Shs. 64/50, and fair-quality, Shs. 62; Pemba, good-quality, Shs. 61/80, and fair-quality, Shs. 59/30.

Exports during the quarter totalled 79,720 bales (11,160,742 lb.), of which 5,000 bales (700,000 lb.) were shipped to the United Kingdom, representing 6.27 per cent. of total exports. The Association supplied 425,712 lb. of the total exports under the terms of the (Minimum Percentage of Exported Cloves) Order, 1948, whereby 15 lb. of every 100 lb. which were exported had to be purchased from the Association. The Clove (Minimum Percentage of Exported Cloves) Order, 1950, which came into operation in January re-

moved this condition. Clove duty w unchanged at Shs. 21 per 100 lb. for t quarter under review, but from April it was increased by Shs. 9 per 100 lb. d to a higher valuation assessed for clovin accordance with the terms of the Cu toms Tariff Decree.

Arrivals of stems at the Association depôt for the quarter totalled 1,670,2 lb, making a total of 2,677,130 lb, take into stock for the period July/Marc 1950. Exports of clove oil totalled 115,90 lb, during the quarter of which 94,172 l went to the United Kingdom.

#### TRADE MARKS

(From the "Trade Marks Journal," June 21).

For soaps (3).—"WAVE"; by Harry Gree Ltd., Barking; 683,852.

For denture fixatives (3).—" KEMFIX"; by Sci & Bowne, Ltd., London, W.1; 687,393.

For non-medicated toilet preparations (3). "LUCKSTONE BEAUTY SECRET"; by the Lucksto Co., Ltd., London, W.1; 647,341. "MUNYA by Hygenico Products, Ltd., London, N.1 673,968. "METEORE"; by Coty (England), Ltd. London, W.1; 684,238.

For non-medicated soap, perfumes, etc. (3). Device of cannon; by the Cannon Rubber Manufaturers, Ltd., London, N.17; 686,054.

For all goods (3).—"VANTOC"; by Imper Chemical Industries, Ltd., London, S.W.1; 686,00

For toilet articles and cosmetic containers (3). "AIRDREY"; by Thimblethorpe & Co., Ltd., Lo don, W.1; 686,240.

For pharmaceutical preparations (5).—" FOLEX by Vitamins, Ltd., London, W.6; 674,40 "GRAVILAT" in distinctive lettering on label d vice; by Casimir Funk Laboratories, Inc., No York; 680,241. "Sedestran"; by Pharmaceutic Laboratories Geigy, Ltd., Manchester; 683,47 "VANILDENE"; by Ana Laboratories, Ltd., Alpeton; 687,780.

For all goods, excluding bandages, wound dresings, sanitary towels, medicated pads (surgic dressings), medicated wool, fly papers and meacated toilet papers (5).—"NAPAS"; by Aktieb laget Ferrosan, Malmo; 679,300.

For veterinary sulphur preparations for treating skin diseases in dogs (5),—"CANISULPH"; the John Mitchell-Lewis, Christchurch; B681,064.

For medicines (5).—"Peska"; by Stank Paske, London, E.7; 685,823.

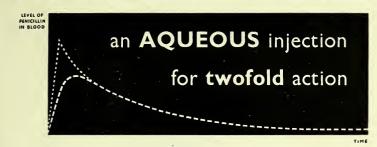
For medicated lotions for exterior application chilblains (5).—" CHILOFF"; by Alice Haywoo Rylance, Douglas; 686,427.

For insecticides and fungicides (5).—"THADE' by Plant Protection, Ltd., Yalding; 686,631.

For insecticides (5).—"DITREEN"; by She Chemicals, Ltd., London, E.C.3; 686,817.

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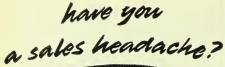




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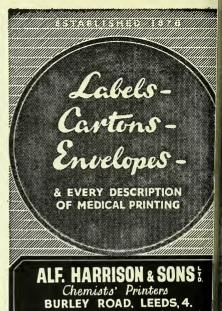
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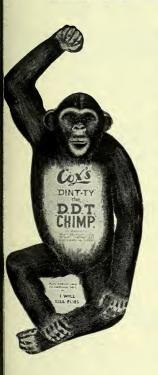
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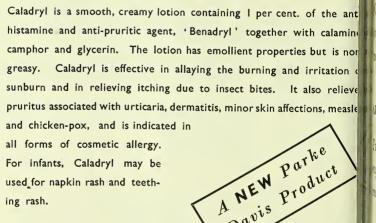
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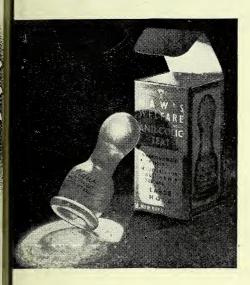
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The NEBRO Visual Meter is one of the most sensitive and reliable meters on the market—yet it costs only a fraction of the price of photo-electric cell instruments which are delicate, become less reliable with age, and are very costly to repair. Not one in 10,000 Nebro Visual Meters has been returned for repair in three years; the same could not be said for any less reliable meter.

There is nothing to go wrong in the NEBRO and it gives results: it is based on the principle that the most sensitive register of light variations is the human eye and provides 5 differen scales for "accommodation."

Its phenomenal popularity has proved it value and reliability beyond doubt.

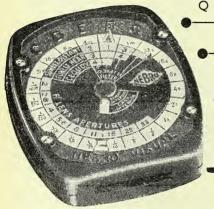
Also available through these Provincial Wholesalers:
SOUTHALL BROS. & BARCLAY (1935) LTD., B'HAP
BROOKS, PARKER & CO. LTD., BRADFORD
JAMES WOOLLEY SONS & CO. LTD.,
MANCHESTER

Have you seen our new 100-page Catalogue: if not, write for a copy

## NEVILLE BROWN & CO. LTD

Distributors to the Photographic Trade

NEWMAN YARD · NEWMAN STREET · LONDON W.



NEBRO

# EXPOSURE METER

RETAILS AT 29/9

Leather Purse Case 4/2
In attractive display box containing 3 meters

Richard Daniel & Con

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton and Lyne Telephone 2816 (2 lines)

Lemon Juice

38.0%

Sucrose

23.7%

Liquid Glucose BP 28% w/v (equivalent to Dextrose (Monohydrate)

10.5 %w/v,

Barley (Sol. Extract) from 7.4% w/v

As an Antacid or in febrile conditions

Glucose

# Lembar

justifies the highest professional recommendation

Plus flavouring and permitted preservative

Obtainable from Wholesale Chemists or from Rayner & Co. Ltd.
RAYNER AND COMPANY LIMITED, LONDON, N.18

July 8, 1950



Jelonet is a Paraffin Gauze Dressing (a Petroleum Jelly Gauze) complying in every respect with the B.P.C. specification.

From this month onwards, it can be prescribed under the N.H.S. in envelopes containing single pieces. Order stocks of these new convenient envelopes at once, and be able to meet prescriptions promptly. Wholesalers carry stocks.

Jelonet Envelope Packs are de cribed on Page 10 of our Price Li Jelonet tins of 36 pieces, or 8 y continuous strips will rema available to meet other demands.

MAILING CARD IS NOW BEING SENT TO ALL DOCTORS!

Made by T. J. SMITH & NEPHEW LIMITED, HULL



#### the new powder technique . . .

Every woman will want to try it! For with 'Feather-Pressed', Yardley have found a way to present their famous Complexion Powder in the perfect portable form—unspillable, yet clouding on to the puff as easily as loose powder. 'Feather-Pressed' is available in elegant golden metal cases, retailing at 19/6. Refills are packed in convenient handbag boxes, complete in themselves, price 5/10. Yardley 'Feather-Pressed' Powder will be nationally advertised, including lavish full-colour pages, in the smart women's magazines. We know you will be eager to take advantage of this new source of profit from Yardley.





HAVE YOU TRIED OUR

## Good Quality Low-priced Wrapping Papers?



-SO. LITTLE COS

-T H E IMPORTANT THING IS TO BUY THE RIGHT PAPER-PAPER WHICH IS NOT ONLY OF GOOD QUALITY BUT KEEN IN PRICE.

#### PHAR-MACY. NEED NOT

FEA-

ADD MUCH TO YOUR COSTS-

DISTINCTIVE

TURES

THE WHITE-WRAPPED

BOTTLE, ONE OF THE

OF

#### PRICES

White Demy, best dispensing quality, Per 500 sheets (approx.)

Sizes (ounces)

3-4 2/9 1/8

8-10 12-16 4/-

1/4 3/2 6/-...  $4'' \times 4\frac{1}{2}''$  per 500 sheets 10d. Powder Papers Per Ream Per Ouire

No. 18 White Demy,  $17\frac{1}{2}'' \times 22\frac{1}{2}''$ Swedish Brown kraft  $20'' \times 30''$ 

14/-93d. 14/9 91d.

Swedish striped sulphite 20" × 30" (green and mauve)

16/-

Dispensing Twine (Red, Blue, Green)

4 oz. balls 25/- per doz. 8 oz. balls 50/- per doz.

6

Sealing Wax 3/9 per lb.

The Customs and Excise have advised us that cut sizes only are subject to Purchase Tax of  $33\frac{1}{3}\%$ .

#### MACDONALD & SON LTD.

MILLS, POLLARD STREET, MANCHESTER, 4 Ardwick 1561-2

## The Safe and Effective Treatment for Head Lice

Lorexane' Head Lotion conains gamma benzene hexachloide, a most powerful parasiticide which destroys head lice at one application. It is easy to use, con-irritant and has no harmful ffect on the hair or scalp.

'he pharmacist can recommend Lorexane' to the public with bsolute confidence in its safety nd efficiency.

Available in bottles of 50 c.c. in lisplay outers of twelve, retailing t 1/10d. per bottle (including d. purchase tax).

lsk for Supporting Display Material—

> Display Stands Counter Leaflets





From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office—London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublim.



IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED

A subsidiary company of Imperial Chemical Industries Limited WILMSLOW, MANGHESTER

Dh 92/4

CALCIUM GLUCONATE
CITRIC ACID
CREAM OF TARTAR
ITACONIC ACID
ROCHELLE SALTS
TARTARIC ACID

LITHIUM BENZOATE
LITHIUM CARBONATE
LITHIUM CHLORIDE
LITHIUM CITRATE
LITHIUM HYDROXIDE
LITHIUM SALICYLATE
LITHIUM SULPHATE

Kemball, Bishop & Co. Ltd.

MANUFACTURING CHEMISTS, ESTABLISHED 1870

Crown Chemical Works, Three Mill Lane, Bromley-by-Bow, London, E.3
ENGLAND

Telephone: ADVANCE 1234 (7 lines) Telegrams KEMBALL, LONDON, ENG,
CODES ABC 6th Bentleys Private

# MANUFACTURING

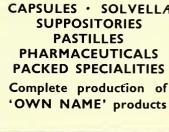




'COX' IS A REGISTERED TRADE MARK

PRODUCTION

BULK OR PACKED · STANDARD OF SPECIAL FORMULÆ



PACHAGING

Arthur H. Cox & Co. Ltd.

MANUFACTURING CHEMISTS SINCE 1839

BRIGHTON, SUSSEX

# MAKE KOLYNOS THE

# I.C.C. Mixed Parcel

A new advertising campaign for Kolynos Dental Cream started in April. The message "Thank Kolynos for whiter teeth, sweeter breath" has been seen by millions of readers.

Link up with this strong Kolynos advertising. Display Kolynos in your shop— in the windows, on the counter— and so tie in your own sales appeal with this nation wide campaign.

At the same time re-stock with Kolynos. The generous ICC mixed parcel offers give you the perfect opportunity—

and you will

THANK KOLYNOS

for bigger sales than ever

# CENTRE OF YOUR NEXT



I.C.C. MIXED PARCELS

mean that every pharmacist can give a mixed order large enough to qualify for a co-operative discount, with no risk of overstocking. Here are the details:

- 1 A discount of 12½% on parcels to the value of £10 and over.
- 2 A discount of 10% on parcels to the value of £5 and over.

  All in addition to your usual basic trade discounts.

Here are some of our wide range of products:

ANADIN · ANNE FRENCH · BISODOL · BISURATED MAGNESIA · FREEZONE KOLYNOS PREPARATIONS · LYSTONE SALTS · PINEATE · REUDEL BATH SALTS

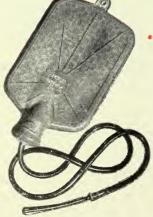
INTERNATIONAL CHEMICAL CO. LTD · CHENIES STREET · LONDON · WC1



..indelibly stamped

.. on every





WILLIAM FREE MAN
SUBASEAL WORKS, PEEL STREET,
BARNSLEY, YORKS

Phone: Barnsley 4081 Grams: "Subaseal", Barnsley

by SUBA-SEAL TRADE MARK

Shown above are the Suba-Seal Fountain Douche, Whirling Syringe, Enema, and Closed-Mouth Douche... all individually packed in attractive cartons of restrained design. All highly efficient and hygienic in use. Suba-Seal Contract Holders are entitled to additional bonus on all these and many more pharmaceutical lines. Don't delay, order to-day—and secure bigger profits.



TRAGACANTH KARAYA ACACIA

For well over a century we have been the leading millers of natural Gums, and we are an authority on the application of the various grades to many different trade requirements.



Why not approach us for samples to your specific requirements, and advice on all questions of

> MUCILAGE EMULSIFICATION SUSPENSION

TAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLErkenwell 1000 (7 lines)

1:11



'Niagara' Brand Blackcurrant Syrup is manufactured under the auspices of the Ministry of Food and is rich in Vitamin C (contains not less than 20 mgms. Ascorbic Acid per fluid ounce).

'Niagara' Brand Blackcurrant Syrup is packed in sturdy but handsome bottles with attractively designed labels. The bottles are delivered to you in cartons containing one dozen.

Sole Makers:

## BARNETT & FOSTER LTD.

NIAGARA WORKS, EAGLE WHARF ROAD N.

# A NEW PACK Journal A NEW DEMAND



# CIMLAC

A bland dressing incorporating antiseptics of proved low toxicity in a sterilised glyco-gelatin base which provides marked healing and coagulating properties.

The acute shortage of Hospital beds has meant that many more patients are being treated at home, and as a result, more and more Cimlac Gauze is being prescribed by the Medical Profession for the home treatment of, CHRONIC ULCERS, BURNS, CARBUNCLES and WOUNDS.

To meet this demand we introduce the

#### "PRESCRIPTION PACK"

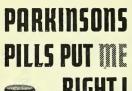
Pack: Aluminium box containing 12 pieces  $3\frac{1}{2}'' \times 3\frac{1}{2}''$ . Each piece separately heat-sealed in an amber, moisture proof cellulose tissue envelope.

Cimlac Gauze, is still available in the Hospital Pack... Boxes containing 24 pieces  $4'' \times 3\frac{1}{2}''$ .



Price 4/3 per box. Trade Price 2/10 per box.

CALMIC LIMITED · CREWE HALL · CREWE
TEL. CREWE 3251 (5 lines). LONDON: EAGLE HOUSE, JERMYN ST. S.W.I.





... and fast selling Parkinsons Pills can help put you right too! Retailing at 32d. 7d. and 1/2 a bottle, this famous laxative is backed by forceful n a t i o n - w i d e advertising.



get yourself a bottle of

KILKOF You get a bigger percentage of profit on Kilkof than on any

other top-selling cough mixture today. A dozen bottles of Kilkof cost you 10/3d; you retail them at 1/6d. a bottle; while nationally advertised "Croaky" is building up more and more demand.

Famous names from a famous House

# **PARKINSONS**

MANUFACTURING CHEMISTS · BURNLEY



#### Wendy Brand CREME de LANOLIN

Created to meet the demand for a smooth easily applied Creamed Lanolin. Is avail-Created to meet the demand for a smooth easily applied Creamed Lanolin. Is available in handy Cartoned Tubes and attractive 2-dozen display outers.
The tube has now been increased in size, the retail price remains the same.

Retail Selling Price 1/41 inc. tax.

Obtainable from your wholesaler.

If any difficulty write direct to the Manufacturers COLLEGE LABORATORIES LTD. The Tower, Warmley, Bristol

London and Home Counties Distributors
H. B. DORLING LTD. 18 Churston Avenue, Upton Manor, London, E.13
Telephone: Grangewood 2324

# A GRAND COUNTER ATTRACTION



This attractive Displa Outer comes free wit dozen

Besorbon medicinal snuff. Give your usus wholesaler a trial order for this all-year-roun preventive remedy for Hay Fever, Colds an Catarrh—backed by national advertising, Be orbon sells on sight! Put it on your counte

20 Eastcheap, London, Kemsales Ltd.,

TAX EXEMPTION

OLLOWING representations, the Commissioners of Customs and Excise are now prepared to regard Calcium-d-Pantothenate as a vitamin falling within the scope of Head III of the Schedule to the Purchase Tax (No. 6) Order, 1950.

- 'BECOSYM' Tablets and Ampoules,
- 'HEPARGLANDOL'—B Ampoules, and

PANTOTHENIC ACID 'ROCHE' Tablets

are no longer subject to Purchase Tax



CHASE

PRODUCTS LIMITED

Welwyn Garden City, Herts.



## TRADE BARBURAL MARK

The New Hypnotic - Sedative

'BARBURAL' Each Tablet contains Cyclobarbitone Calcium....gr. 1.

Bromvaletone B. P.C. gr. 4.

'BARBURAL' has the advantage of a very small Barbiturate dose

'BARBURAL' is indicated as a sedative and hypnotic in insomnia and nervous conditions

'BARBURAL' is a safe rapidly acting hypnotic with prolonged sedative effect

'BARBURAL' is issued in tins of 100 & 500 tablets.

## Amber Pharmaceuticals I

Manufacturers of Fine Chemicals and Pharmaceutical Products

HOUSE, 7-9, ST. JAMES STREET, LONDON, S.W.1

# An Ideal

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to the present time when we can fulfil all your orders.

"Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains on which 650,000,000 passengers travel yearly.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.

ATTRACTIVE ADVERTISEMENTS APPEAR REGULARLY in the NATIONAL PRESS OWING TO IMPROVED COSTS

"Allure"

than ordinary perfume NEW REDUCED

Inc. Pur.

TMENT G. B. KENT & SONS LTD., 24 OLD BOND ST., LONDON, W.I Telephone: Regent 1471/2/3. Telegrams: Tricho, Piccy, London BRUSHMAKERS



cleanli-

# ZAC-ly right!

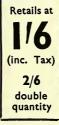
# For Baby-For Mother-For You!

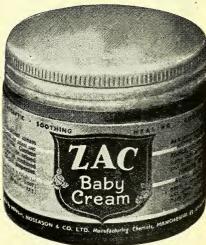
Right for Baby's Delicate skin. Right for Mother who wants the best at moderate price. And right for YOU because Zac Baby Cream is a first class 'repeater'!

Shows you excellent profit (particularly when ordered with other packed pharmaceuticals)! And is consistently backed by both National and Local advertising.

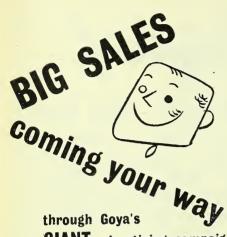
# **Nationally Advertised**

Powerful advertisements for ZAC BABY CREAM are currently appearing in leading women's weekly and monthly magazines. News of the World, People, and a long list of Provincial Papers. Sales are certain. How are your stocks?





OUGH, HOSEASON & CO. LTD. · ATLAS LABORATORIES · MANCHESTER, 19



through Goya's

GIANT advertising campaign
for Perfumed Colognes
during June, July & August
Make your profits

BIGGER STILL

...by displaying
Perfumed Cologne
in windows
and on counters

Goga

161 NEW BOND STREET LONDON . WI



#### SHADFORTH

LIMITED

## Proudly Present

THREE PROVED SELLERS IN NEW PACKS







#### INCREASED TRADE DISCOUNT

These new packs carry 33\frac{1}{3}\% discount backed by **National Press Advertising** to send you new customers. The repackaging of these products will ensure a bright display in your window and on your counter, attracting more sales.

#### SHADFORTH LTD.

Manufacturing Chemists
49, KING WILLIAM STREET, LONDON, E.



the | Chinese Back-Scratcher | is out of date . . .

Yes, hopelessly out of date . . . because regardless of how popular and self-satisfying the Chinese back-scratcher may be . . . it is no guard against secondary infection which frequently results from uncontrolled scratching.

One of the safest and most effective methods of providing prompt and welcome relief from irritation is the application of 'Dermogesic' Ointment —

Soothing — Protective — Non-greasy.

Contains Calamine, Benzocaine, and Hexylated Metacresol in a pleasantly perfumed vanishing-cream base. Does not stain the skin and can be used safely on infants. 3/2½d. per tube (including Purchase Tax) Discount  $33\frac{1}{3}\%$ . Please send for price list giving details of Special Bonus Terms.

Sharp & Dohme Ltd., Hoddesdon, Herts.

**Analgesic Calamine Ointment** 

## Better



## Value

#### **SOLUTION TABLETS**

- Acetarsol B.P.C., N.F.
- Borax and Benzamine Co., B.P.C.,
  N.F.
- Mercuric Chloride B.P.C., N.F.
- Mercuric Iodide B.P.C., N.F.
- Mouthwash

- Nasal Alkaline B.P.C., N.F.
- Penicillin N.F.
- Potassium Permanganate B.P.C.
- Proflavine B.P.C., N.F.
- Sodium Chloride
- Thymol Compound

Quality, and reliability is maintained by the supervision of pharmacists at all stages.

**Ouotations** on request.

Supplies available ex stock.

ATTHEWS & WILSON LTD

6 - 8 COLE ST , LONDON , S.E.I

POWERFUL NEW THEME

LARGER

MORE INSERTIONS

# "FORHAN'S FOR THE GUMS"

Leading national newspapers are carrying Forhan's new and vigorous story all over the country.

There will be more than 230,000,000 appearances—all to help your trade.

Anticipate a brisk demand; stock up with Forhan's now. Don't forget that Forhan's, with its generous trading terms. makes most money for you.



FORHAN'S LTD., 86 CLERKENWELL ROAD
LONDON, E.C.I

\\\\/



# BRONTAN SUN-TAN CREAM

LAST summer, Brontan sales were big. The demand persisted throughout the season. Stock up for this summer—the demand will be there, and you will have the advantage of our new bonus offer, with its much larger profits. Write for full details at once.

ALL ORDERS AND COMMUNICATIONS TO SOLE DISTRIBUTORS :-

ALFRED FRANKS & BARTLETT CO. LTD.,

AUDREY HOUSE, ELY PLACE, E.C.1.

Telephone HOL, 1078/9

## GUILLEMINOT

World-Famous French

NOW AVAILABLE IN **OUANTITIES** SIZES REASONABLE AND STANDARD BRITISH

THE FOLLOWING SIZES FROM STOCK

ORTHO CHROME No. 620 **PANCHROMATIC** No. 620 ORTHO CHROME No. 120 **PANCHROMATIC** No. 120 ORTHO CHROME No. 127 **PANCHROMATIC** No. 127 ORTHO CHROME No. 116

Price List and Order Form on Application. Orders taken in strict rotation.

46/56 ORMSIDE STREET LONDON, S.E.I5 Tel: New Cross 5222

M. SIDNICK

& CO. LTD.

AND AT: CROWN ST. BRIGHTON

Tel: Brighton 29503

ESTABLISHED 1793

The Best and Safest Infants' Medicine of 150 years' standing

Does not contain any Scheduled Poison

ROBERT BARKER & SON, LTD 13 WESLEY ST., C. on M., MANCHESTER

2½d. STOCKING (except Black)
4d. CURTAIN & COLD WATER
32/- gross
(including Black Stocking) Order Dyes and
Shade Cards from our Agents
Gt. Britain: W.B.Cartwright Ltd., Rawdon, Leeds
N. Ireland: T. McMullan & Co., Ltd., 42 Victoria

fast. Eire: May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6.

The House for

A complete range supplied packed or in bulk. Also we make to private and special

formulæ. PROPRIETARY REMEDIES PREPARED & PACKED-

BULK TABLETS

supplied in convenient quantities from 100 upwards Copy of our N.F. 1949 list sent on request.

SACCHARIN TABLETS in pkts. of 100 or in Bulk.

THE SPECIALIST HOUSE



# 8.000.000 women

They're finding out about Tonrinz Colour Rinses from our RADIO TIMES advertising. 8,000,000 families read this journal every week!

More than ever before women are seeking to brighten their hair; the present fashion trend demands it. And the Tonrinz advertisements in the RADIO TIMES—appearing regularly from May 26th—are telling them how.

They're finding that the secret of natural tints need only cost them 3½d.

So prepare your stocks for the demand that's sure to come. Order now! And don't

forget Camilatone Toning Shampoos contain a packet of Tonrinz; they retail at 8d, each.

Tonrinz is available in Raven Black, Dark Brown, Chestnut, Light Brown, Auburn, Blonde, Blue and Golden Rinse.

CAMILATONE LIMITED

#### YOU SHOULD STOCK FINEST SCURF REMOVING & SCALP THE CLEANSING SHAMPOO

# NUCTA OIL

THE SOAPLESS OIL SHAMPOO

be recommended with confidence. Nationally advertised IN 8 oz. BOTTLES SELLING AT 3/10. 25/- per doz., plus tax ALSO AVAILABLE IN 20 oz. SIZE SELLING AT 9/2. 60/- per doz., plus tax CARRIAGE PAID ON NET ORDER OF £2

Obtainable from your Wholesaler or direct from the Manufacturers

#### STEWART. GOODALL & DUNLOP LTD STREET. EDINBURGH PRINCES 121A

### Definition of Drugs —a difficulty removed

The Joint Sub-Committee on the Definition of Drugs by defining FOOD and DRUG, and by drawing attention to the chief functions of each, has given guidance to practitioners on a question which has been not entirely free of ambiguity.

It is of particular interest to note how closely the committee's recommendations follow existing practice in a well-known case. Bemax, for example, has been prescribed by the profession in cases of "established diseases" since its first production 20 years ago, and used also by healthy people to preserve their health.

Notes on "Bemax as a therapeutic agent" are available on request from Dept. A.A.7.

VITAMINS LTD., UPPER MALL, LONDON, W.6 \* The above advertisement is appearing in the

Medical Journals.

#### PRESCRIBABLE

as a drug . . .

Bemax is used in the treatment of such "established diseases" as peptic ulcer, cardiac dis-orders, atonic constipation, chronic rheumatism and chronic rheumatism and arthritis, hyperthyroidism marasmus.

Its use is based on its specified content of the various factors of the vitamin B complex in amounts therapeutically effective. For these conditions therefore Bemax is prescribable.-Sub-Committee's Report para, 3.B. (iii)

#### NOT PRESCRIBABLE

as a food . . .

Bemax is invaluable for this

purpose because it contains: 30% protein with essential amino-acids—easily digested carbohydrate with low fibre content-the vitamins of the B complex and iron.

It is therefore suitable for pre-venting the onset of deficiency diseases, but it is not prescribable for this purpose.



## Roter Gastric Ulcer Tablets

indicated for:

#### GASTRIC AND DUODENAL ULCERS

Retail prices: trial size (40) 7/11, standard size (120) 22/6, full treatment size (640) £5.12.6.

Obtainable from the Importers:

F.A.I.R. Laboratories Limited

183 Heath Road, Twickenham

Manufactured by:

Pharmaceutische Fabriek "Roter"

Hilversum, Holland

#### **D** & **P** 24-HOUR SERVICE

Why suffer poor quality and delays this season. Our work guaranteed including:

ENLARGING, COPYING, COLOURING, etc.

Sample order executed free

LOUDENS 27 CENTRAL DRIVE, BLACKPOOL

VE WANT

STANDARD

#### **AMPOULES**

Ampouled Injections and Powder Ampoules in large or small quantities. Specialist production under experienced Chemical and Medical supervision.

MARKWELL, EDWARDS & CO. LTD. 589 HIGH ROAD, LONDON, N.12. Hillside 5806 Telegrams: Ampuls, Norfinch, London



Feet Plaisters & Powders. Thi Feet Plaisters & Powders. In popular remedy gains new sales successes weekly. Wide-spread advertising assures constant demand. Have you got stocks? Retail prices: Plaisters 2<sup>4</sup>d. Powders 1<sup>1</sup>/<sub>2</sub>d. Comb. Pack 9d. HOBSON TRIMBLE

UNION HOUSE, LEEDS, 2

Solo Manufacturers: JEFFREYS,

MALLER & CO. LTD., Leyland Mills, Wigen. (Lendon Dopt. 19 Brookside Rd. N.19) BECAUSE OF THE BUTTERSCOTCH FLAYOUR



IN BULK-LOOSE TO WHOLESALERS AND PACKERS

GENERAL TABLETING SERVICE

Enquiries invited

SACCHARIN TABLETS.

THE DALES TABLET MAKERS LTD. Steeton, Nr. Keighley

Phone: STEETON 3222

A Name at andard

# "SURE SHIELD"

(Reg'd. Trade Mark)

BRAND

IODISED THROAT
TABLETS

GLYCERINE of THYMOL PASTILLES

FRUIT LAXATIVES

LOZENGES · PASTILLES
TABLETS

In bulk and ATTRACTIVE PACKS

### **Thos. Guest & Co Ltd**

Manufacturing Chemists

CARRUTHERS ST., MANCHESTER, 4

Tele, No. : Collyhurst 2975 Telegrams: "Guesto" Manchester

# 'Sleek

PLASTIC ADHESIVE

STRAPPING



 'SLEEK' PLASTIC ADHESIVE STRAPPING is completely waterproof

• Its smooth, sleek surface resists dirt and germs. Stains can be washed off its surface easily.

• As it cannot fray, 'Sleek' stays neat and clean for days at a time.

• It is strong and extensible.

• Being very pliable it readily moulds itsel to contours of joints.

'Sleek' is regularly advertised to the medical profession, veterinary surgeons factories and industrial concerns.

Flesh colour only

I"x 5 yd. spools Retail price 2/I"x 2½ yd. ,, ,, ,, ,, 1/3

'SLEEK'
SALES MANUAL

All that you and your staff will want to know about 'Sleek' is in this handy booklet. Copies free on request, or from our representative. Attractive showcards are also available.

AND SIZE K

Herts Pharmaceuticals Ltd., Welwyn Gdn. City, Hert Telephone: Welwyn Garden 3333 S



#### MACHINERY TABLET MAKING



MANESTY F3 TABLET MACHINE OUTPUT

85 PER MIN.

OR TABLETS UP TO 34 DIAM

MANESTY HAND TABLET MACHINE OUTPUT 100 国 PER MIN. FOR TABLETS

We can supply

MANEST

FOR TABLETS UP TO 2 DIAM UP TO 2 DIAM

MANESTY E 2 TABLET MACHINE OUTPUT PER MIN

**PUNCHES** and **DIES** 

**ALL MAKES** of TABLET MACHINES

FLAT

PILL

BALL

ROUND

CONCAVE

BEVEL EDGE

**ENGRAVED** 

**EMBOSSED** 

SUGAR COATING

SPECIAL SHAPES

MANESTY HAND III! COMPACT PRESS OUTPUT

PAN STANDARD 2000 COMPACTS SIZE 30" DIAM. PER DAY

MANESTY CP2 COATING



MANESTY **B.B.3** ROTARY TABLET MACHINE

OUTPUT 1000-1500 PER MIN.

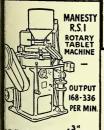
OR TABLETS UP TO 2 DIAM.



MANESTY Nº2A TABLET MACHINE

OUTPUT 55-220 PER MIN.

OR TABLETS UP TO 12 DIAM.



MANESTY ROTORGRAN OSCILLATING GRANULATOR

> OUTPUT 150-224 LBS. PER HOUR

MANESTY MIXER

CAPACITY IOO LBS.



MANESTY **B3** ROTARY TABLET MACHINE

OUTPUT 400-500 PER MIN.

FOR TABLETS UP TO 2"DIAM.



300-350 PER MIN.

FOR TABLETS UP TO "DIAM.



MACHINE

OUTPUT 30-400 PER MIN.

FOR TABLETS UP TO 24"DIAM.



OF POWDER

ALSO TUNGSTEN CARBIDE INSERT

DIES. CHROMIUM PLATED PUNCHES

AND DIES

# OR TABLETS UP TO TE DIAM.

MACHINES LIMITED

LIVERPOOL,

**TELEPHONE: HUNTS CROSS 1972** 

TELEGRAMS: MANESTY, LIVERPOOL

Spontex

# SPONTEX DISPLAY-DISPENSER **QUICK-SELLING W**

Chemists have quickly discovered that the compact Spontex counter display-dispenser, when opened out, makes an attractive WINDOW DISPLAY. Printed in 7 partel colours, the dispenser is supplied ready packed with 6 Spontex sponges in assorted colours. A'ready a winner, this novelty pack comes free with the sponges. Make full use of its unique display possibilities.

> SEE THIS ADVERTISING IN RADIO TIMES AND YOUR LOCAL PRESS

> > NEW BATH TIME SKIN-FRESHNESS

pontex Will SPONGE

NEW BATH-TIME

SKIN-FRESHNESS

FOR BABY AND ME

NEW BATH-TIME

SEND THIS SIMPLE ORDER ENTITLING YOU TO RECEIVE SPONTEX IN THE NEW DISPLAY-DISPENSERS

To get Spontex ready packed in new and attractive half dozen display dispensers, you have only to tell your wholesaler YOU WANT IT DELIVERED THAT Available in all three sizes, WAY. "bath," "toilet," and "baby," these dispensers speed sales and can be refilled again and again. To ensure your participation in this big new business, and to secure your copy of the new Spontex Art window card, which links you with the advertising, send the order suggested below direct to us, stating name of your wholesaler through whom it will be delivered and invoiced. We will arrange delivery and dispatch showcard to you.

# AND TO HAVE THIS NEW ART SHOWCARD 16/-

TRADE PRICES

6 Bath Size Spontex to sell at 3/8 each inc. P.T. 8d. 12/- plus 4/- P.T. in display-dispenser

6 Hand Basin Size Spontex to sell at 2/9 each inc. P.T. 6d. 9/- plus 3/- P.T. in display-dispenser

6 Baby **Spontex** (super soft) to sell at  $2/5\frac{1}{2}$  each inc. P.T.  $5\frac{1}{2}$ d. 8/- plus 2/9 P.T. in display-dispenser

NETT TRADE PRICE (including P.T.)

12/-10/9

SPONTEX SPONGES ARE MADE IN GT. BRITAIN BY:

SPONCEL LIMITED, Woldham Road, Bromley, Kent. Tel: Ravensbourne 264

# CITRATE



IRON & AMMONIUM CITRATE B.P.

IN SCALES OR GRANULAR

POTASSIUM CITRATE B.P.

SODIUM CITRATE B.P.

IN CRYSTALS OR POWDER

Small or large quantities. Contract terms supplied on application

#### POTTER & CLARKE

60-64 ARTILLERY LANE, LONDON, E.I. Phone: BISHOPSGATE 4761 Grams: Horehound, Phone, London.

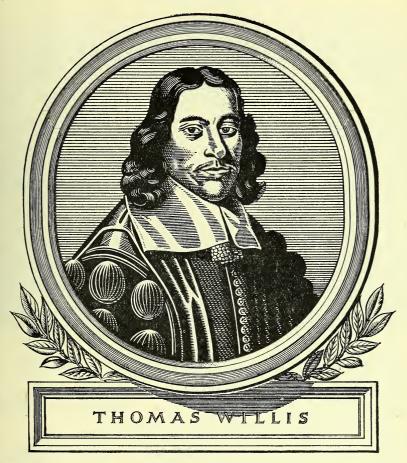
77 DANTZIC STREET, MANCHESTER 4 Phone: BLACKFRIARS 8734 Grams: Horehound, Manchester

62 ORBISTON STREET, MOTHERWELL Phone: MOTHERWELL 1413 Grams: Horehou Grams: Horehound, Motherwell

Agents in Northern Ireland:

HAROLD MITCHELL & Co. Ltd., 321 Grosvenor Rd., BELFAST. Tel. 24356





Foremost in diabetes - Diabetes mellitus was first distinguished from diabetes insipidus by Thomas Willis, the 17th century anatomist and physician. His name is indelibly recorded in the annals of diabetic research. The brand name 'Wellcome,' applied to insulins, is held in similarly high esteem by all who dispense or prescribe for the disease. Whichever type of insulin you are asked to supply, a 'Wellcome' brand preparation is available.

WELLCOME' INSULIN (Unmodified or Soluble)
GLOBIN INSULIN (with Zinc)



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



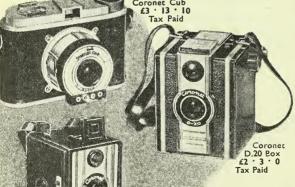
Effective

Elegant Palatable

AGNOLEUL 4. Speedy Stomach Corrective Retail 3/9 inc. Tax

THOMAS KERFOOT & CO. LTD., Vale of Bardsley, LANCASHIRE Bardsley House, Upper Street, N.1. London Address:

### AMERAS ALL CAN AFFORD Coronet Cub



#### QUICK SALE!

Coronet low priced cameras, backed by an extensive advertising campaign are going to sell fast. Re-stock NOW to meet the great demand during holiday months.

Make sure of ample stocks of FILM DUFAY ORTHO - PAN - COLOR

CAMERAS FOR THE MILLIONS

Tel: ELSTREE 1733

12.20 Box UFAY-CHROMEX LTD., (Dept. G.2), ELSTREE, HERTS.

# For a place in the sun

Open spaces everywhere are an invitation to sunbathers, and sunbathers need Beach Sun Tan Cream. It pays well to use this display carton.



THE BRITISH DRUG HOUSES LTD. LONDON N.I

# Glass Tubes

by the

# Million

or by the DOZEN

# PROMPT DELIVERY

F. COPLEY & CO. BEESTON, NOTTS.

#### **NUTRITIOUS TONIC**

# MORRE

(Regd.)

ESPECIALLY SUITABLE FOR CHILDREN

AND DURING CONVALESCENCE

Contains Liquid Malt, Vitamins A & D, Hypophosphites and Virginian Prune.

DREADNOUGHT



274/276, ILDERTON ROAD, S.EI5

# Alfan

Tablets are now being widely pr scribed on N.H.S. and bring repea when sold over the counter.

- Alfan is a Pink A.P.C. tablet will Calc-Phos and Phenolphthalein. Yo can safely recommend it to give the quickest results for the relief of Hea aches, Colds, Rheumatic and ner pains, etc.
- Retails @ 1/- trial size, 25 @ 2/-, Cost 6/9, 13/6, and 25/- doz. plus  $\frac{1}{3}$  ta

Dispensing 100 @ 4/- tax free.

Opening order @ 14 to the doz.

From your Wholesaler or Distributors: Amblins Sales Co., Ltd., Kilburn, N.W. Abbotts Druggists Ltd.



Griptight feedteats sell on sight



Made from best quality rubber Latex, scientifically pierced for correctfeeding. Available in 15 different shapes, hygienically packed in transparent wrappers and attractively carded and boxed. Can be sterilised repeatedly without losing shape. Guaranteed three years store life in any climate

LEWIS WOOLF LTD. 144 Oakfield Road, Birmingham 29, England

IF 175 Salicylates !

ACID SALICYLIC B.P. SODIUM SALICYLATEB.P.

We SPECIALISE IN THE MANUFACTURE OF B.P. SALICYLATES OF THE FINEST QUALITY AT COMPETITIVE PRICES.

The WARRINGTON CHEMICAL & DRUG Co. LTD.

PADDINGTON WORKS, WARRINGTON, England. Grams "Salicin" Warrington. Phone Warrington 2331-2



# GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

#### AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

### **ROURA & FORGAS LIMITED**

Sole Sterling Area Suppliers of

ITALIAN QUICKSILVER

HANOVER HOUSE, 73/78 HIGH HOLBORN, LONDON, W.C.1

Telephone Nos. HOLborn 0517/9

#### -

# "STEROXIN"

OINTMENT



Containing 3% 5,7 dichloro-8-hydroxyquinaldine in a non-greasy base.

For the effective treatment of skin conditions of bacterial and mycotic origin. A protective dressing for wounds, ulcers and broken chilblains.

Tubes of 1 ounce: Retail price 3s. 8d. including Purchase Tax—24s. 0d. per dozen plus Purchase Tax.

Tubes of 4 ounces: Retail price 11s. 0d. including Purchase Tax—72s. 0d. per dozen plus Purchase Tax.

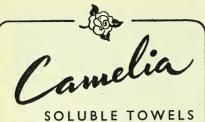
and in 1 lb. jars for dispensing purposes. Literature on request.

Messrs. Walter Crowe Limited, Marketing Distributors, are our Selling Agents to the Trade, and orders may be placed with their Representatives at the time of their regular and frequent calls.

Orders sent by post should be addressed to:-



PHARMACEUTICAL LABORATORIES GEIGY LTD NATIONAL BUILDINGS, PARSONAGE, MANCHESTER 3



Increased advertising in National and Women's magazines means that more women are asking by name for Camelia now. Make sure that your stocks are adequate.

#### **PRICES**

STANDARD (LOOPS)

Wholesale Retail Per Pkt.(dozen)
14/1d. doz. pkts. 16/3d. doz. pkts. 1/9d.

STANDARD (LOOPS) - 6 IN PKT.

Wholesale Retail Per Pkt. 7/0½d. doz. pkts. 8/1½d. doz. pkts. 10½d.

STANDARD (Loops) are packed in cartons containing 48 packets.

STANDARD (6 in packet) are packed in cartons containing 72 packets.

Approved by the Central Price Regulation Committee, July, 1948.

CHAPPELL, ALLEN & CO. LTD., 87-91 NEW BOND ST., LONDON, W.1

Telephone: MAYfair 6571-2.



#### **ALWAYS IN DEMAND**

# Beaulahis MALTED MILK

PACKED IN ONE POPULAR SIZE 2/6



J. & J. BEAULAH LTD.
BOSTON, LINCS.

# dirty work to be done?

THE BEST BARRIER PREPARATION

# ROZALEX

IT STOPS DIRT FROM
GETTING INTO YOUR SKIN

ALSO ROZALEX OINTMENT

Rozalex Ltd., 10 Norfolk St., Manchester 2

# BARBITURATES

ALLOBARBITONE, BARBITONE, SODIUM BARBITONE, BUTO-BARBITONE, CYCLOBARBITONE, PHEMITONE, HEXOBAR-BITONE, PHENOBARBITONE

# MOUINOLINE

POTASSIUM OXYQUINOLINE SULPHATE, CHINIOFONUM. DI-IODO HYDROXYQUINOLINE, (Powder and tablets)

ASPIRIN TABLETS, CALCIUM ASPIRIN

Enquiries invited for prompt or contract deliveries by:

PIERSON, MORRELL & CO. THE ORIGINAL BRITISH ASPIRIN MAKERS BARNET, Herts.

Telegrams: Pierson Morrell Barnet

Telephone: BARnet 0723

# The Latest Development in CHEMICAL SANITAT

Racasan is not just another disinfectant . . . it is a concentrated Sanitary Fluid specially prepared for use in any type of Pail or Chemical closet. It is completely odourless, a powerful germicide, and its unique self-cleaning properties make the task of emptying and cleansing the toilet simple and unobjectionable. More and more people are demanding this fast moving line. Make sure of your summer stocks NOW \* NO POISON LICENCE REQUIRED \* GENEROUS DISCOUNTS





The RACASA Non-Flush Toilet

This modern, streamlined toilet is a complete break away from the old fashioned type of chemical closet. Easy to maintain, and simple to empty, it is an ideal toilet where there are no drains.



CLEANING SANITARY FLU

usual Factor or Wholesaler for full details or write:-RACASAN LIMITED · ELLESMERE PORT · CHESHIRE

# "SURCO"

RELIABLE

#### **ELASTIC HOSIERY**

SEAMED AND SEAMLESS

SURGICAL BELTS
TRUSSES AND SUNDRIES

Over 50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russeli Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottm

THE HOUSE OF

BRUMBER

CHEMICALS

CHEMICALS

THE PICK OF THE WORLD

AGAR • ALOES • BALSAMS
COPAIBA, PERU & TOLU
CAMPHOR • ESSENTIAL OILS
INDUSTRIAL CHEMICALS
LIQUORICE • MENTHOL
PHARMACEUTICALS

J. BRUMMER . 14 SEETHING LANE, LONDON, E.C.3 . ROYAL 1946

FOR HOME & EXPORT

ARRHENAL

PARA AMINO SALICYLIC ACID
AND SODIUM SALT. In bulk and tablet form
POTASSIUM GUAIACOL SULPHONATE

(Thiocol)

SULPHADIAZINE TABLETS
BISMUTH SALTS (FOR EXPORT ONLY)
BROMIDES

M.W. HARDY & CO. LTD
6 BILLITER STREET, LONDON, E.O.3

TELEPHONE: ROYAL 8343 (10 LINES)

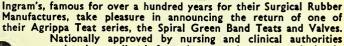
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Nationally approved selling line returns!



AGKIPPA
SPIRAL GREEN BAND
TEATS & VALVES

PAT Nº 498456



Nationally approved by nursing and clinical authorities and a best seller before the war, they are meticulously made from pure transparent rubber in four shapes, all of which are designed to ensure an even, natural flow. The special spiral band holds teats firmly on bottles and will not accidentally pull off. Each teat packed separately in a carton. Now being supported by press advertising which will be increasingly developed.

THIS TRADE MARK
GUARANTEES THE QUALITY

Ingram's

J. G. INGRAM & SON LTD., LONDON, E.9

"When I sell a bottle of . . .

# MIRACLE MIXTURE I make a friend"

Thus writes a Chemist who has a big Trade with Dog Owners

There is no medicine in this Country which has saved the lives of so many poorly dogs. There is no more elegant preparation. None which gives such certain and speedy relief and none which shows you a better return for your sales in good wishes and financial benefit.

Get in touch now with :---

THE HATCHWELL CO. LTD BYRON STREET, PRESTON, LANCS

Telephone: Preston 5118

EXTEND YOUR TRADE
USE A TRADE MARK

CONSULT TRADE MARK PROTECTION SOCIETY

TRADE MARK CONSULTANTS

12 CHURCH STREET LIVERPOOL

Tele.: Royal 3172-3173

GUMS

TRAGACANTH AND ACACIA As imported or Finely Powdered

ALL GRADES
HENRY MANSER LTD., 21 LIME STREET, LONDON, E.C.3

Telephone: Mansion House 0920

# Surgical Chiropody

Most of the training necessary to qualify for a Diploma in Chiropody can now be taken at home by specialised correspondence lessons. Fullest particulars of how to enter this highlypaid profession from:

SCHOOL OF SURGICAL CHIROPODY
(Dept. CD)
LEATHERHEAD, SURREY

# A sure 'seller'

baby scales or with baby requisites



THE BABY

# NAPSOL

DISPOSABLE NAPKIN. Made of absorbent cellulose with pink unabsorbent backing.
Pkts. of 24 = 18/- per doz.

Retail 2/- per packet.
Packets of 12—11/3 per doz.

Retail 1/3 per packet.

TIE UP SALES WITH:
The NAPSOL Baby hygienic Panty

SMALL—20,- per doz.
Retail 2/6 each
MEDIUM-22/- per doz.
Retail 2/9 each
LARGE—24/- per doz.
Retail 3/- each
Two types,
Elastic or
bound legs.
Garment
finish.
Colours—
Tearose

Tearose
Pink
Sky Blue
Milky White
Attractive

Five Colour Display Box



### M. MERICA & Co. Ltd.

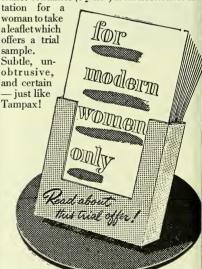
QUEENS MILL - SHAW ROAD OLDHAM - LANCS.

Telephone: MAIN 5803



Successful counter displays for Tampa are a delicate matter. In a shop crowded wit men and women, anything blatant would repel; yet anything non-committal would fa in its intent.

We think we've succeeded cleverly by appealing to women's curiosity. Our new Tampa leaflet container (3½"x5") is an irresistible inv



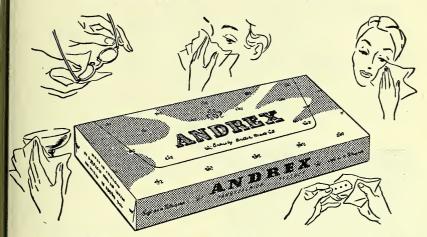
Write for this attractive leaflet containe and the new Tampax window card

#### TAMPAX LIMITED

SALES OFFICE

110 JERMYN STREET, LONDON, S.W.

#### THERE ARE MANY SALES



#### BECAUSE THERE ARE MANY USES



The first of a new series of press advertisements that is going to make women look for ANDREX tissues in your shop.

ANDREX handkerchief tissues — by the makers of the popular Andrex toilet tissues — make quick sales because they are so very versatile. Women always buy them to keep handy in case of colds in the family. They are extra soft, fully hygienic, and save laundering. But there are also a hundred and one other uses for them in bedroom, nursery, office and kitchen. Put them on display and hear your customers say, "That's just what I want!"

There are two sizes: BOUDOIR PACK containing 100 tissues, retail price 1/-; and the POPULAR FAMILY PACK with three times the quantity (300 tissues), retail price 2/6. Obtainable now from your wholesaler. If you have difficulty in obtaining supplies please write

to the manufacturers.

Brilliant new pack!

Brilliant new prices!

#### FREE SHOWCARDS

The new showcard will add colour and distinction to your counter and pounds to your turnover. Send for yours now.

andrex

HANDKERCHIEF

Tissues

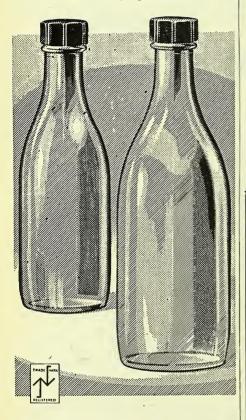
St. Andrew Mills Ltd., London. E.17. (Wholesale only)

#### **BEATSON**

BAKELITE CAPPED

#### CHAMPAGNE OILS

These bottles greatly enhance the presentation of packed oils. They are available in 2½ oz., 5 oz., 10 oz. and 20 oz., capacities.



#### BEATSON CLARK & CO. LTD.

ESTABLISHED 1751

Manufacturers of Medical and Chemical Glass
ROTHERHAM YORKS.

May we quote you for—

# GLAUBER SALTS B.P.

Pea Crystal and Feathery

# EPSOM SALTS B.P.

Needle Crystals, Medium, Exsiccated All grades conform to the 1948 B.P. Standard Special Crystals matched and any degree of exsiccation to order. Packed for Home and Export,

HARRIS, HART & Co. Ltd.

GREGGE STREET WORKS HEYWOOD, LANCS.



#### CROSSKILLS OF NORWICH

Manufacturers of

SPONGE BAGS
BABY PANTS
COT SHEETS
TOILET BAGS
VANITY BAGS
FACE CLOTHS

Etc.

Wholesale and Retail Enquiries Invited

Exceptionally Keen Prices

WRITE FOR SAMPLES TO

CROSSKILLS OF NORWICH



# vhat a lot of SUPER SPONGINESS!

onges for toilet. Sponges for the house.
onges that lap up water like a desert. Soft,
ky, even-textured. Hard-wearing and hygienic.
happy colours. E.R.C. know all the secrets of
aking super sponginess in long-lasting sponge
bber. Show "Zote" and "Zulu" sponges—
ey will sell fast!

# LOTE and ZULU Sponges



675 Mitcham Road : Croydon

'PHONE: THORNTON HEATH 3622

WORKS: CROYDON & DUNDEE



(XO, Standard, & X1) will be supplied with Pink Moisture-proof Back, and tied loops. They are made from the finest materials, of unsurpassed quality. Easily disposable, secure and comfortable.

A PRODUCT OF
ROBINSON & SONS LIMITED,
OF CHESTERFIELD & LONDON

For fifty years
Makers of the famous MENE towel



including:

#### HYDROGEN PEROXIDE

Benzoyl Peroxide, Calcium Peroxide Magnesium Peroxide, Sodium Perborate, Sodium Percarbonate, Titanium Dioxide, Urea Hydrogen Peroxide, Zinc Peroxide

# LAPORTE

LAPORTE CHEMICALS LTD., LUTON.
Phone: Luton 4390 Grams: Laporte Luton



# ALLAYING ANXIETY

The ideal contraceptive is one in which physical and psychological requirements are adequately fulfilled GYNOMIN has earned the confidence of the medical profession because it satisfies both these needs.

Its action produces an effective mechanical and spermicidal barrier. Does not upset the vaginal pH value. It is clean and convenien in use, non-greasy and non irritant. Keeps perfectly li all climates.

### GYNOMIN

The scientifically balanced, antiseptic and deodorant contraceptive.

Retails at 3/6 per tube of twelve Tablets.

REGULAR MEDICAL PROPAGANDA LIBERAL DISCOUNTS TO THE TRADE LITERATURE AND SHOWCARDS UPON REQUEST

Order from your wholesaler — Write for Special Term:

Our publicity will bring new customers to your pharmacy.

COATES & COOPER LTD.

WEST DRAYTON MIDDLESEX ENGLAND

# Sell DUNLOP — the name your customers trust

'hat's why this sturdy hot-water ottle is so universally popular. The ame DUNLOP is a guarantee of uperlative quality and lasting serice. It's a name that everyone knows nd trusts. "Dunlop?" they think. Then it's bound to be good!" And tis good! So stock up with DUNLOP tot water bottles in the comfortable mowledge that you will be selling the inest and most popular line on the market.



# DUNLOP

Dunlop Moulded Fabric Insertion built like a tyre

HOT WATER BOTTLES

Obtainable from your usual wholesaler



A RICH NATURAL SOURCE OF VITAMINS B and E

TWO SIZES

or

Trade 16/- doz. or 27/- doz. FREE NON-RETURNABLE CARTONS

> From Principal Wholesalers or from the Manufacturers

CARR'S CEREAL PRODUCTS LTD CARLISLE



Means big profits-big

\* A unique formula
makes DYLON the only dye for ALL fabric repeats. makes UTLUN the only dye for ALL 1307 including nylon, rayon, acetate, plastic. Moisture-proof aluminium pack ensure perfect colour freshness—no deterioration

\* In self-service counter-display units, shades. Retail price 6d. and 9d.

★ Certified by Good Housekeeping Institu \* Extensively advertised.

\* Fully supported by the unique Remov DYGON: Retails at 6d. and 1/9d.

MAYBORN PRODUCTS DYLON WORKS, BERRYMAN'S LAN

# **Medical Bottles**

All Descriptions-FLATS, VIALS, POISONS, PANELS, JARS and CORKS

HOSPITALS and CHEMISTS RECEIVE **OUR SPECIAL ATTENTION** 

QUICK DELIVERY THROUGHOUT HOME and SOUTHERN COUNTIES

Write:

# GEO. RICHARDSON MEDICAL LTD

802/4 SEVEN SISTERS ROAD, LONDON, N.15 Phone: Stamford Hill 7447

F. SCHUTZE & Co., LTD. **ESTABLISHED 1882** 

For "MASTER" BRAND SURGICAL TRUSSES SUSPENSORY BANDAGES JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs.
Own bottles wickered at moderate cost

Black Bull Works, Market Road London, N.7

#### THE MOULDINGS & SHAPES CO

We are actual manufacturers of the following:-WOODEN TONGUE DEPRESSORS Tapered End and Standard Shape OINTMENT APPLICATORS
For application of Ointments to Dressings, etc., CUTICLE STICKS: 3" to 6" Shaped Ends THROAT APPLICATORS DENTAL TOOTH PICKS

CHERRY STICKS The above can also be manufactured to customers own specifications. Sambles sent on request.

66 Sprowston Mews, Forest Gate, London, E.7 Telephone: Maryland 2211



# SALES are CERTAIN!

—SO KEEP UP YOUR STOCKS OF SHERLEY'S LACTOL

The public have been told that dealers hold limited supplies of LACTOL. We shall do our best to meet all enquiries from the Trade—but ask you to take a forward view, as far as possible, respecting your requirements. Where there are stocks, sales are certain-so keep up your stocks.

#### SHERLEY'S LACTOL

is in two sizes retailing at 3/6 and 12/6

F. SHERLEY CO. LTD., 16-18 MARSHALSEA ROAD, LONDON, S.EI.

# MAXIGROP

SOLUBILISED SEAWEED

# The finest fertiliser on earth!

Heavy advertising in all leading gardening papers is making Maxicrop a fast selling line. Cash in on Maxicrop demand - order your stocks now!

Sole Distributor TREVENA LTD

9-10 TOKENHOUSE YARD, LONDON, E.C.2

Telephone: MET 8761





# WHEN YOUR

Packed in attractive
Display Cartons—
each carton containing 8 oz. bottle of
Rentokil Timber
Fluid and injector
for forcing the fluid
into the worm
holes.

NORIE

# CUSTOMERS ASI

FOR

# TIMBER FLUI

THEY MEAN

# RENTOKI

# NATIONALLY ADVERTISE Woodworms are more active than ever this yea

Woodworms are more active than ever this yea pleas: hold adequate stocks to meet the incread demand for RENTOKIL TIMBER FLUID, the to and proved woodworm destroyer.

# GENEROUS TRADE TERM on application RENTOKIL LT

Dept. C.D. School La Fetcham, Leatherhea Surrey. Tel: Leatherhead 40.

What can printed tapes do for you?

What Mars are marwellous

can

chappie DOG DOOD

brinted

vs. RECKIT'S BLUE

They can mark, identify, name and brand. They can seal your products and help to sell them. They can do scores of jobs, better and quicker. They can

save you money, earn you extra profit. Self-adhesive, they stick anywhere and stay stuck. They are business builders.

May we send you specimens?

say it...seal it...sell it...
with GOSHERON
printed TAPES
John Gosheron & Co. Ltd.

# THE FLUID

AGITATOR - EMULSIFIER
LABORATORY MODEL SL-A

All Stainless Steel
Contact with Fluid

Built-in Control gives speed variation between 20 and 2000 r.p.m.

Also larger models. SL-I for vessels up to 5 galls. and S.C. for vessels up to 500 galls



IMMEDIATE DELIVERY

FLUID EQUIPMENT CO. LTD (Dept. S.D.) 83 Seafield Road, London, N.II Phone: ENT 2565

hy is the 'ACME' THE MOST POPULAR VACUUM FLASK?



#### Because —

 It has a distinguished style of its own.

• It keeps liquids hot for 24 hours and cold for 72 hours.

• It is guaranteed to be individually tested for 24 hours and is altogether most reliable . . . . . . Quart size will be available shortly.

Retail 4/11



# ACME VACUUM FLASK COPHOENIX WORKS, BRIDGEND, GLAM.

# 'Dentures are in the news my Steradent sales prove it'

Goodness knows what the official figures are, but there nust be many thousands of people wearing dentures today who weren't wearing them a year ago. And thousands more who have changed over from the old kind of dentures to he new plastic ones. How do I know? My weekly sales of steradent prove it—they're going up nicely, thank you. Not surprising when you come to think of it—these new dentures are just like ordinary teeth to look at, so there's nuch more encouragement to keep them clean.?



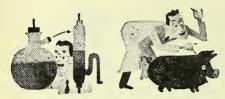
You can confidently recommend Steradent for the safe cleaning and sterilising of artificial dentures. Your recommendation will be backed by years of testing and research on various proprietary acrylic denture materials, and by the assurance of the I.C.I., makers of 'Kallodent,' that Steradent is equally satisfactory for this brand of acrylic denture material when used as directed.

Be sure you have a Steradent display stand at your point of sale—it's the perfect, silent salesman.



# Steradent

cleans and sterilises artificial dentures



#### SCIENCE OR NATURE?

Nylon wears longer than even the best bristle. It does not get so soggy. It can be made exactly as hard or soft as required, and it is 100% hygienic. Nevertheless, there are still many people who do not agree that the scientist has yet beaten the pig.

# Check these toothbrush

### **FACTS**

# and help your customers choose

NEXT time a customer asks your advice on choosing a toothbrush, remember these pointers. You'll have all the answers pat!



#### HARD OR SOFT?

Many people use toothbrushes that are too hard—especially Nylon, which does not get soft when wetted. Leave it to your customer, but remember, most dentists are against extra hard brushes. And remember, Wisdom Nylon is now made in 'soft' as well as 'medium'.





WHICH IS THE BEST BRISTLE?

All experts agree Chungking and Siberia Bristles are the best for toothbrushes. India Bristles are generally too brittle, so that the quickly get soggy and break down. Wisdom made only from Chungking and Siberiar guaranteed free from Indian.



#### THE HANDLE'S IMPORTANT!

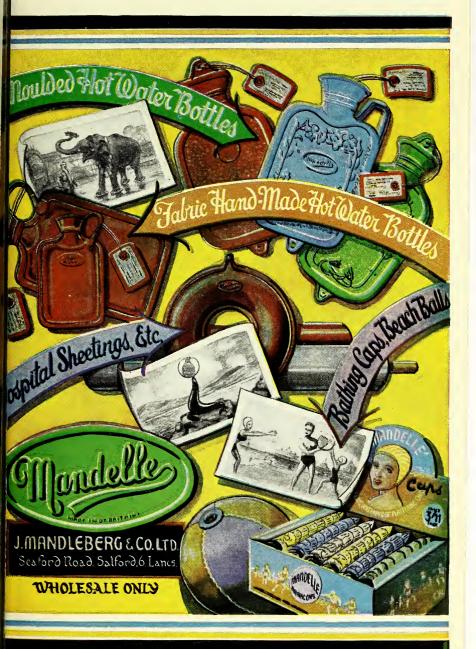
The Wisdom handle isn't just for show—it' specially designed for correct brushing. Th angle brings the handle in line with the brushing surface of the tufts—instead of their roots



#### AND THE NAME?

We suggest Wisdom. Advise your customers to buy a Wisdom, and you'll be sure of satisfying them. We made the first toothbrush in 1780—but we don't rest on our laurels. We're constantly carrying out research to keep ahead of the toothbrush field. So sell the best brush—sel a Wisdom.









Mono Containers are moisture-proof and preserve the contents in perfect condition. Available with tapered or cylindrical sides and screw or disc lids. We invite your enquiries and should be pleased to send one of our



NTAINERS

MONO CONTAINERS LTD · CUMBERLAND AVENUE · PARK ROYAL · LONDON · N.W. 10

# YOUR CUSTOMERS - KNOW US!

For nearly sixty years our Laboratory has been studying animal welfare—improving any Bob Martin product capable of improvement—and adding to the Bob Martin range. The result is that by now animal lovers all over the world know and rely on the name 'Bob Martin'.

During these years the sale of veterinary preparations has become a much more important side of the pharmacist's work. We are sure it will pay you to devote window and counter space to the best known name in this field, 'Bob Martin'. Our display material is very carefully planned to clinch the cumulative effect of our press and poster advertising. Make full use of it.

BOB MARTIN LIMITED SOUTHPORT

# What flyspray brings the surest REPEAT SALES ?

You can rely on Cooper's Household Flyspray to sell steadily throughout this season because housewives everywhere have proved for themselves its wonderful efficiency. Cooper's Household Flyspray knocks down flies quicker and the ample D.D.T. content makes sure they never get up again. If sprayed lightly over walls, light fittings etc., an invisible non-staining film of insecticide is deposited that goes on killing for weeks. Cooper's Household Flyspray also has a pleasant smell. Women form the majority of most retailers' customers, so this year Cooper's being widely advertised in the leading Women's Journals. Be ready to meet the demand that this advertising will create. Order your supplies now, or write for current Trade list.



# COOPER'S

The Housewife's Choice



COOPER, McDOUGALL & ROBERTSON, LTD., BERKHAMSTED, HERTS. - ESTABLISHED 1843.



# GLASSES 75 styles for 1950 | Retailing from 8 to 2 gns.



Bartlett Sunglasses, already proved the largest range of sellers for 1950, consist of popular and fast selling modern styles that are priced right to bring you quick and profitable results — truly it is the most complete assortment yet offered to the trade! Send for illustrated leaflet.

Be sure to consider carefully this outstanding Bartlett range.

Order through your wholesaler

Wholesale enquiries to

ALFRED FRANKS & BARTLETT CO., LTD.

AUDREY HOUSE, ELY PLACE, LONDON, E.C.I.



KORKALITE. MOULDED OR ALUMINIUM CAPS





8 LEICESTER STREET, W.C.2 Tel: GERRARD 8611 (18 Lines) Grams: UNGLABOMAN LESQUARE, LONDON

CORKMOUTH



# FILM OT roll films

a high grade ORTHOCHROME film

of British Manufacture



#### STANDARD 8 EXPOSURES

In the following sizes
S 20 | S 62
S 27 | S 29
S 16

The name of STEDMANS is your guarantee of quality - every film being batched and date stamped

Send for Price List showing prices and terms for Dealers

# **STEDMANS**

CINEMATOGRAPHIC LABORATORY LIMITE

WALWORTH LONDON SEI7

# IMPORTANT WARNING re Adrenaline Creams

BEFORE stocking any Adrenaline Cream for the treatment of Rheumatic troubles, Pharmacists should assure themselves that the Adrenaline content is fully stabilised.

Otherwise the cream will be valueless for this purpose.

Lloyd's Adrenaline Cream, the original cream used by the Doctors who developed this treatment, has been certified by independent Analysts (*Medical World* 4th November, 1949) to retain its Adrenaline potency for upwards of 12 months. This analysis covered a period of over three years, ever since, in fact, we commenced to manufacture the cream in collaboration with them and to their specifications.

So far as is known, it is the only Adrenaline Cream in the world thus certified. Copies of the report will gladly be supplied upon request.

Lloyd's Adrenaline Cream is sold in 2 oz., 4 oz. and 16 oz. jars at 5/-, 7/-, and 15/- less usual discount. It is free of Purchase Tax.

Supplies can be obtained through any whole-saler or direct from:

# HOWARD LLOYD & CO. LTD.

20 ASFORDBY STREET, LEICESTER

Telegrams: "Colloid, Leicester."

Telephone: Leicester 5423



"Just a few drops of Blue Orchid tonic brillantine bring back the lustre to my hair, and keep it glamorous all day long."



2/3 and 3/9, from leading chemists, hairdressers and stores. If difficult to Obtain stores. If difficult to Obtain stores and Sould Bond Street. London W.I. enclosing 2/3d. P.O.

# IT'S WINNING

because it's not just another brillan but a *new* hair beautifier with an actonic, and perfumed with Delave exclusive "Blue Orchid" fragra

### IT'S SELLING

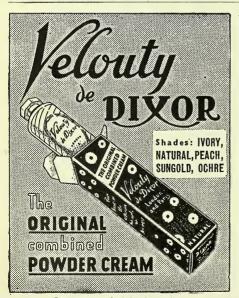
Advertising is swinging into its standard in a mational and provincial of papers, and in a wide rang magazines. Blue Orchid T Brillantine is going to town country in a big way.

Are your stocks ample to cope the increasing demand?

#### delavelle

38/46 ORSMAN RD., LONDON

Send your order, or write for particulars now.



DIXOR LTD. St. Leonards Works S.W.14

# FERRIS & COMPANY, LTI

BRISTOL.

MANUFACTURING AND WHOLESALE CHEMISTS

The House In the West for a Chemists' Supplies.

Send us your orders for prompand careful attention.

Regular Road Deliveries.

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Are you getting your share of the Photographic Trade?

MAKE SURE THIS YEAR WITH-

## "TOUCHSTONE" ROLL FILMS

The Film with the money back guarantee

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20/62 — 2/- Purchase

27 — 1/9 Tax

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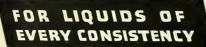
29 — 1/9 6 Exposures

Why not try a Sample Parcel of assorted sizes 20/- Post Free

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90 VICTORIA STREET, LONDON, S.W.I

271 LANGSIDE ROAD, GLASGOW



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RAPID MIXING & STIRRING UNITS

For mixing liquids of every consistency, you need a mixer that is adaptable and versatile. We can fulfil both these requirements, and from our wider range, there is sure to be one for your particular job.
Why not consult us?

The illustration shows a portable mixing unit, clamped to the side of a tank in a chemical works

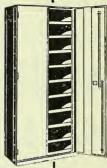
L. A. MITCHELL LIMITED
37 PETER STREET MANCHESTER 2

MX2

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"SECO"

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Seco Storage Equipmen is suitable for, and adaptable to, all storage requirements giving max mum storage capacity t available floor space. Standard Seco Unit available to meet you every storage need. W are always pleased t submit designs an specifications to mea customers particular equirements.

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#### COMPLETE STARCH PLANT

consisting of

Steel Master Mogul with four Pump Bars and 9,000 Starch Trays, "Kestner" Evaporator, eight Steam Pans and Melters, six Unit Heaters with Circulating Boiler, Auto Feed and Stoker, Crystallizing Tank and Trays.

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Telephone: MARyland 1940



harmful to pets, human beings or farmyard stock when used as directed, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price I/6&5/5

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Manufactured by

BRITISH RODENT EXTERMINATOR CO.
PRATTS BOTTOM · FARNBOROUGH ·

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Discriminating buyers prefer U·M·P Metal Tubes

mooth flexible applicators specially developed in our LASTICS DIVISION for rectal and vaginal use

NIVERSAL METAL PRODUCTS LTD

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### AT LAST!



for the first time since 1939

## A BOXED TOILET ROLL

A smart attractive box too. Looks well on counter or shelf—doesn't need to be hidden in the shopping basket. EVEREST is a first-class toilet tissue—strong yet gentle and scientifically hygienic (it carries the Royal Institute of Public Health and Hygiene Certificate)—and it is being advertised in the women's magazines and in buses throughout the country. It has all the signs of a best seller! See that you are well supplied.



KITTYBREWSTER (PAPER) LIMITED
Kittybrewster Works, ABERDEEN

Also makers of Silver Silk, Med-o-San, Captis and Tartan Brand Toilet Rolls.

#### E. H. BUTLER & SO

Thornton Lane and Humberstone Gate LEICESTER

for

GALENICALS
TABLETS
PACKED GOOODS
and all supplies for the
Health Service and

Our own vans cover the Midlands . . .

Counter Trade

Telephone: 5671



### "MATER

CLINICAL RE
The position of the Mercury column is at a
perfectly plain. Red markings above (

## ALL TYPES O

AND OTHER

### THERMOMETER

PERKEN, SON & CO. LT

8 HATTON GARDEN LONDON, E.C.I

Telephone: 0724 Holborn
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### NATIONAL

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GAZINES WITH COMBINED
CULATIONS OF MORE THAN
MILLIONS, including:—

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# RED HEART CANNED DOG FOOD

### Plentiful supplies again!

After ten years of severe shortage, Britain's most popular dog food is reasonably plentiful once again. Packed in a new ½-lb. aluminium container and backed by a nation-wide advertising campaign, the demand for RED YEART will be immediate and steady. Obtain your supplies now through your usual wholesaler.

HN MORRELL & COMPANY LIMITED . LIVERPOOL AND LONDON

### Combined Processing

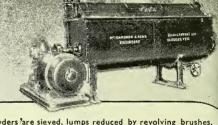
## M (O S

Patent 'Rapid' SIFTER-MIXER

Combines both operations wit speed and efficien

Wm. Gardner & Sons (Glos.) Ltd. BRISTOL ROAD, GLOUCESTER Telephone: 21261 (3 lines) Telegrams: Gardner, Gloucester

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Powders are sieved, lumps reduced by revolving brushes, and foreign matter rejected. Then, passing to the mixing chamber any number of ingredients are intimately mixed. Processed in remarkably short time. These machines will continue this performance for a long trouble-free lifetime. Many other machines available for the Chemical Industry. Please write for catalogue.

## I took VULFIX straight on the chin

And I kept it there, whipping up a whisker wilting lather in a wink!

**VULFIX** "SERVICE" obtainable through all wholesalers

Retail at 3/11, 5/11, 6/9, 8/6 each



having B

THE BRUSH WITH THE 2 YEARS GUARAN

PROGRESS SHAVING BRUSH Co., Ltd.

49 Leadenhall Street, London, E

Phone: ROYal 2857





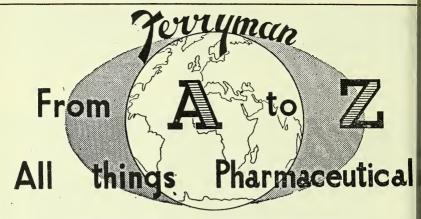
Mottram Street, Stockport

Phone: STOckport 2147

hen women customers ask for a Liquid impoo' introduce them to this new super shampoo by Silvikrin. They'll come the for more . . . and, as the good news of this glamorous hair-beautifier gets nd, they'll bring their friends. In its attractive 'pyramid' flask, retailing at d. Silvikrin Liquid Shampoo is an eye-catcher and a purse-opener which



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A new, elegant container in an eye-catching counter display outer adds real sales punch to the OZONOL Air-Purifier, famous since 1927.

Widespread National Publicity will bring more customers demanding New OZONOL for bathrooms, lavatories and kitchens.

New OZONOL complete .... Retail 6/6

Trade 47/- per doz. + 15/8 P.T.

Refills .... .... Retail 2/-

.... Retail 2/-Trade 18/- per doz. Tax Free.

OZONOL AIR PURIFIER

OZONOL LABORATORIES (1930) LTD., New Wharf Road, London, N.I. TERminus 3727, 6660



### **GREY HAIR?**

THE ANSWER IS

### INECTO-RAPID

- ★ The best-known hair dye all over the world
- ★ Exactly reproduces nature's own colouring
- \* Guaranteed permanent.
- ★ Unaffected by permanent waving
- ★ Clean and very simple to apply



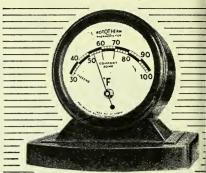
SUPPLIES THROUGH
YOUR USUAL WHOLESALER

Prices are as follows -

Full-size outfit (4 pairs 84/- doz. 84/- 17/6 of bottles)

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#### THE 'MERTON' THERMOMET

A sure seller at all times, this model form the ideal and practical gift for desk or table use. Available in attractive Plastic cass and choice of colours, also in hand-painted designs.

The world's best thermometer

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### NATIONAL FORMULARY 194 PASTILLES & LOZENGE

Including Krameria et Cocaine
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GIBSON'S CHOCOLATE WORM CAN

ROBERT GIBSON & SONS LT
MANCHESTER & LONDON

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It's a good line, Lifeguard, isn't it? It's making a big splash in the advertising columns of the Press. It makes a fine show on the counter of your shop.

It's the line of a lifetime — Lifeguard.



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SAMCO Atomisers and Sprays differ from types in general use in that each model is a Scientific Instrument specially designed to handle all types of spraying compounds without the necessity to adjust the nozzle of the instrument in any way.

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Materials of the finest quality only are used and all components in direct contact with fluids are made of pure nickel, which is impervious to every known substance used in medical prescriptions.

All components are heavily chromium plated.

All SAMCO models are pressure operated, thus ensuring complete atomisation.



Supplies available from your usual wholesaler .

ACTUAL MANUFACTURERS

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Phone: EUSton 1757 & 5514

45 ST. PANCRAS WAY . . . . LONDON . . . . N

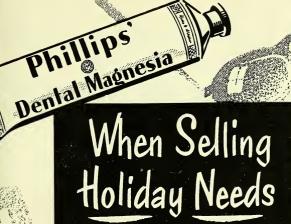
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\_the aspirin spirit liniment—has promoted steady demand. CHEMISTS are asked to fost this goodwill by maintaining adequate stoc



Professiona samples and literature on request
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JOHN KNOX (Stoke-on-Trent)
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J. R. GIBBS Ltd., Manor Avenue, Paig

O ther areas from Local Wholesalers or direct from London



ALWAYS SUGGEST

# PHILLIPS' PRODUCTS

'MILK OF MAGNESIA'
Liquid and Tablets

PHILLIPS DENTAL TOOTHPASTE

When customers ask for holiday needs—sun glasses, lotions, bathing caps and the rest—be sure to suggest Phillips' Products as well.

'Milk of Magnesia'\* the family Antacid with the gentle corrective action suitable for young and old alike; 'Milk of Magnesia' Tablets so handy for pocket or handbag. Phillips' Dental Magnesia Toothpaste to dispel mouth-acid and brighten the teeth.

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brings Heavenly Skin Loveliness for Hands, for Body

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EVERYTHING SHE HAS EVER
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IT OPENS UP NEW AND GREATER YEAR 'ROUND VOLUME AND PROFIT POTENTIALITIES.



4

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creators of

"THE MAKE-UP FOR THE STARS"

MAX FACTOR HOLLYWOOD & LONDON (SALES) LTD

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Manufacturers of Cinchona Alkaloids



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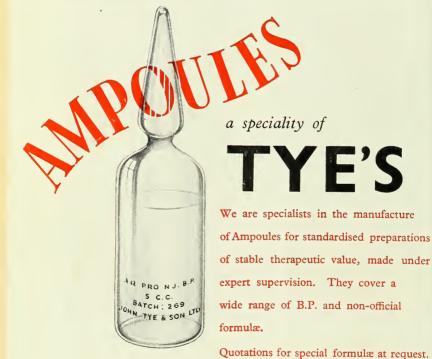
WELWYN GARDEN CITY: HERTFORDSHIRE: ENGLAND

ELEGRAMS: CARNECHEM, WELWYN GARDEN FELEPHONE: WELWYN GARDEN 506 (4 lines)

A 'CARNEGIES OF WELWYN' COMPANY

## CHEMIST AND DRUGGIST





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